20010607.qrp v02_n213.qrl.20010607

Date: Thu, 7 Jun 2001 19:03:07 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2213

QRP-L Digest 2213

Topics covered in this issue include:

    by flyer@value.net
20) [99553] SLA charger
    by Fran Flynn <fflynn@adelphia.net>
21) [99554] balloon portable!!
    by Dan Presley <talljazz@teleport.com>
22) [99555] [MH101] T1 Question and an Answer
    by "Chuck Adams, K7QO" <k7qo@earthlink.net>
23) [99556] QRP-L CDROM archives
    by "Donny Sirait" <dsirait@centrin.net.id>
24) [99557] Re: [MH101] IF Can Substitution
    by K5BDZ@aol.com
25) [99558] Re: [MH101] IF Can Substitution
    by Bruce Muscolino <w6toy@erols.com>
26) [99559] Re: WTCPT - One More Time
    by "Mike Yetsko" <myetsko@insydesw.com>
27) [99560] Travel radio
    by Nils R Young <nilsbull@juno.com>
28) [99561] G5RV Balun Use Question
    by "Joel Kluender, NF9K" <nf9k@eudoramail.com>
29) [99562] Re: Pink Noise Generator
    by "Brian" <bmurrey@amexol.net>
30) [99563] Re: Toroidal IF Transformers
    by Bruce Muscolino <w6toy@erols.com>
31) [99564] Re: HAMCOM 2001
    by "Joe Spencer" <kk5na@quadj.com>
32) [99565] RE: Unicounter Problem - NOT!
    by ww3o@cs.com
33) [99566] Re: info / Grid Squares / APRS / ARISS
    by John R Kirby <n3aaz-qrp@juno.com>
34) [99567] Re: Pink Noise Generator
    by "Jim Gelbort" <jamesgelbort@worldnet.att.net>
35) [99568] RE: G5RV Balun Use Question
    by David Ek <ekdave@earthlink.net>
36) [99569] Ham who wanted QRP Classics still in need?
    by "Brockwell, Stephen E. CECOM SEC FSSE ILEX" <brockwse@fssec.army.mil>
37) [99570] Battery capacity for backpacking operation
    by "Miller, Mark G" <mark.miller@mcaap.army.mil>
38) [99571] QRP SSB RAGCHEW tonight Thursday at 8:00PM EDST on 14.285+-5
    by "Ronald A Pfeiffer" <Ronald_A_Pfeiffer@raytheon.com>
39) [99572] Re: G5RV Balun Use Question
    by "Mike Malone" <mmalone@worldlogon.com>
40) [99573] Re: G5RV Balun Use Question
    by "Ingo DK3RED" <dk3red@t-online.de>
41) [99574] Re: QRP SSB RAGCHEW on 14.285+-5 : I'll have a home...
    by "ss lyon" <sslyon@megalink.net>
42) [99575] mini review of KD1JV's wattmeter kit
    by "Dan Wanchic" <wa8vzq@cloudnet.com>
43) [99576] Re: Battery capacity for backpacking operation

    by "Ingo DK3RED" <dk3red@t-online.de>
44) [99577] Package for KD1JV wattmeter kit
    by Davewb4@aol.com
45) [99578] Re: G5RV Balun Use Question
    by K4IA@aol.com
46) [99579] Re: Pink Noise Generator
    by "David B. Rogers" <dr7zyq@nidlink.com>
47) [99580] Re: G5RV Balun Use Question
    by "Mike Malone" <mmalone@worldlogon.com>
48) [99581] Re: Pink Noise Generator
    by "Bruce Kizerian" <kizerian@ced.utah.edu>
49) [99582] 11-2-10 FS
    by Bob cutter <ki0g@yahoo.com>
50) [99583] OT: Save BBC Coalition
    by "Jerry McCollom W0MC" <w0mc@club-pre.org>
51) [99584] Warbler order???
    by Mark Hooper <mark.hooper@usa.alcatel.com>
52) [99585] RE: Package for KD1JV wattmeter kit
    by "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>
53) [99586] Pink Noise versus White Noise
    by "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>
54) [99587] RE: Pink Noise Generator
    by "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>
55) [99588] Comments on Running Ladder Line Through Walls
    by <schoon@amgt.com>
56) [99589] cheap coax
    by "JOE PARISELLA" <parisella@earthlink.net>
57) [99590] FD Laptop power suggestions
    by ed.kwik@delphiauto.com
58) [99591] Re: Package for KD1JV wattmeter kit
    by J38AL@aol.com
59) [99592] Re: Toroidal IF Transformers
    by "Lau, Zack, W1VT" <zlau@arrl.org>
60) [99593] Re: Comments on Running Ladder Line Through Walls
    by "Ed Manuel (N5EM)" <n5em@flash.net>
61) [99594] QRP Quarterly sold
    by Bob cutter <ki0g@yahoo.com>
62) [99595] Re: Pink Noise Generator
    by Paul Kiciak <pkiciak@att.net>
63) [99596] Re: OT: Save BBC Coalition
    by Tony Fishpool <tony@g4wif.fsnet.co.uk>
64) [99597] RE: Comments on Running Ladder Line Through Walls
    by "Lofstead, Jerry" <Jerry.Lofstead@itb.mckhboc.com>
65) [99598] Re: Ten Tec 1208
    by Curt Milton <wb8yyy@yahoo.com>
66) [99599] Save BBC Coalition & Telly Taxes
    by "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>
67) [99600] Re: OT: Save BBC Coalition

    by Phil Wheeler <w7ox@earthlink.net>
68) [99601] New KD1JV homepage
    by "Steven Weber" <kd1jv@moose.ncia.net>
69) [99602] Re: Pink Noise Generator
    by "Marshall Emm" <mgemm@mtechnologies.com>
70) [99603] Re: OT: Save BBC Coalition
    by "K3NG" <k3ng@fast.net>
71) [99604] Re: OT: Save BBC Coalition
    by Harris Keith E CONT CNIN <harris_k@crane.navy.mil>
72) [99605] Re: Pink Noise Generator
    by "Jim Gelbort" <jamesgelbort@worldnet.att.net>
73) [99606] Re: New KD1JV homepage
    by Phil Wheeler <w7ox@earthlink.net>
74) [99607] RE: OT: Save BBC Coalition
    by "Lofstead, Jerry" <Jerry.Lofstead@itb.mckhboc.com>
75) [99608] Re: SLA charger
    by Fran Flynn <fflynn@adelphia.net>
76) [99609] Re: OT: Save BBC Coalition
    by "Mike Yetsko" <myetsko@insydesw.com>
77) [99610] U.K. TV and Radio Taxes
    by "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>
78) [99611] Re: Ten Tec 1208
    by Louis Hlousek <lhlousek@nvbell.net>
79) [99612] Elecraft Mojo Maniacs at HamComm, TX this weekend
    by Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>
80) [99613] K1 for sale
    by Qrpop@aol.com
81) [99614] Re: [MH101] T1 Question and an Answer
    by John Wagner <john@neknetwork.com>
82) [99615] Re: The Complete DXer
    by "Jay Bromley" <w5jay@alltel.net>
83) [99616] Re: OT: Save BBC Coalition
    by "Paul Harden, NA5N" <na5n@rt66.com>
84) [99617] Re: The Complete DXer
    by Jeff Stai WK6I <jstai@home.com>
85) [99618] Re: cheap coax
    by Stan Yarema <bg783@scn.org>
86) [99619] Results of the JUNE SPARTAN SPRINT
    by Russ Carpenter <russ@natworld.com>
87) [99620] Re: OT: Save BBC Coalition
    by "Dan W. Dooley" <dandooley@pipeline.com>
88) [99621] Battery FAQs & Myths: Alkaline, NiMH, NiCd: AA & AAA cells
    by "Ron McConnell" <rcmcc@lucent.com>
89) [99622] Re: HF and the elevation advantage
    by Garie Halstead <k8kfj@ntelos.net>
90) [99623] Re: OT: Save BBC Coalition
    by "Richard Brummer, K2JQ" <k2jq@bestweb.net>
91) [99624] Re: Pink Noise Generator

by Paul Kiciak <pkiciak@att.net>
92) [99625] FS - Wilderness SST40
by Dennis Doran <wb8wtu@yahoo.com>
93) [99626] Logger
by Dave Pomeroy <dave@dpomeroy.com>
94) [99627] O Scope advice
by "Stuart Rohre" <rohre@arlut.utexas.edu>
95) [99628] Re: OT: Save BBC Coalition
by Phil Wheeler <w7ox@earthlink.net>
96) [99629] Re: Logger
by =?iso-8859-1?Q?St=E9phane_Collas?= <Stephane.Collas@wanadoo.fr>
97) [99630] Re: OT: Save BBC Coalition
by "Richard Brummer, K2JQ" <k2jq@bestweb.net>
98) [99631] Scope
by Dave Pomeroy <dave@dpomeroy.com>
99) [99632] Re: OT: Save BBC Coalition
by Phil Wheeler <w7ox@earthlink.net>
100) [99633] Re: Scope
by "Richard Brummer, K2JQ" <k2jq@bestweb.net>
101) [99634] Re: U.K. TV and Radio Taxes
by "Tony Fishpool" <g4wif@btinternet.com>
102) [99635] Re: Scope - Lew Coppes
by "Michael Melland" <w9wis@charter.net>
103) [99636] Re: Battery capacity for backpacking operation
by John Harper AE5X <ae5x@qsl.net>
104) [99637] Re: Battery capacity for backpacking operation
by Larry Cahoon <lejek@erols.com>
105) [99638] [MH101] IC chip pads, new technique
by "Chuck Adams, K7QO" <k7qo@earthlink.net>
106) [99639] Re: Scope
by Mighty Mik <mightymik2@home.com>
107) [99640] Re: OT: Save BBC Coalition
by Bruce Muscolino <w6toy@erols.com>
108) [99641] Good Deal Coax
by "JOE PARISELLA" <parisella@earthlink.net>
109) [99642] Re: Pink Noise Generator
by "Bob Tellefsen" <n6wg@earthlink.net>
110) [99643] Refarming the Novice bands
by Garie Halstead <k8kfj@ntelos.net>
111) [99644] Re: U.K. TV and Radio Taxes
by "Graham Firth" <graham@g3mfj.fsnet.co.uk>
112) [99645] Tuners & Keyers
by Vance Huntsinger <vhuntsinger@iwic.net>
113) [99646] ft-817
by Bob Welch <p326@earthlink.net>
114) [99647] Re: OT: Save BBC Coalition
by "Tony Fishpool" <g4wif@btinternet.com>
115) [99648] Re: OT: Save BBC Coalition

     by Bruce Muscolino <w6toy@erols.com>
116) [99649] Re: ft-817
     by "Ingo DK3RED" <dk3red@t-online.de>

Date: Wed, 06 Jun 2001 19:39:00 -0400
From: "Mark J. Dulcey" <mark@buttery.org>
To: rick@ltcable.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [99534] Re: Tektronix 547 Probes?
Message-ID: <3B1EBF14.86198B4D@buttery.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Rick Austin wrote:
>
> Through the generosity of Ed Manuel (N5EM) in Houston, I now have a 547,
> Scope Cart and 53/54C, 82, and B plug ins but no probes. Loaded in the car
> during the worst of Tropical Storm Allison yesterday - 5-10 inches of rain
> in an hour or two.
>
> The 547 looks familiar. I think I used one of these back in the late 60s to
> troubleshoot Cockpit Display Avionics that we were designing at Norden in
> Norwalk, CT for the F111D.
>
> What probes would be appropriate for general HF troubleshooting work around
> the shack?

As it happens, I also have a 547; kind of large and old-fashioned, but
it does do the job for most HF stuff. I have a 1A2 dual-trace plugin,
though (plus a W differential plugin), rather than the ones you have. If
memory serves, the B is a dual-trace plugin.

A 10x probe is what you'll use most of the time. 1x probes are useful
for very low-level audio signal work, but will compromise the bandwidth
of your scope (the ones you can afford will, anyway), and decrease the
input impedance, so you won't use them for RF. (The inputs on your
plugin probably have a 1Mohm impedance; the 10x probe increases that to
11M.) The capacitance you need depends on your plugin (it should be
marked near the BNC jack), but will usually be about 15pf. Anything
close to that should be fine. (Capacitance too low causes ringing on the
traces; too high causes high-frequency rolloff.)

Older scopes like the 547 don't have any automatic adjustment of the
display of input ranges for the probe. (New-fangled scopes with digital
readout do.) You just have to remember to add the 10x multiplier to the

input range shown on the plugin. But that means that you don't need manufacturer-specific probes with the pins that trigger the range switch, which cost extra. (The extra pins don't do any harm, though, should you happen to get a deal on a probe that's equipped with them.)

I use an OK Industries SP311 1x/10x modular probe kit (100MHz bandwidth). It starts with a simple pin tip, but also has attachable IC pin grabber, alligator clip, and BNC plug tips that can be added. Similar modular probes are also made by other companies, and are likely to cost you about $30-40 new. You'll want two if you have a dual-trace plugin. (Yes, I know that they will cost you more than you spent on the scope. So it goes.) If you're thinking you'll upgrade to something fancier like a 475 someday, you might want to buy higher-bandwidth probes. (Generally, higher bandwidth = more $$.)

Used probes can sometimes be found at flea markets. The ones that show up on eBay seem to be overpriced; you can get new probes for about what the used eBay probe will cost (counting shipping). And you'll want to examine a used probe carefully before buying in any case; many are too beat up to be useful.

Date: 6 Jun 2001 18:34:46 CDT
From: Richard Clem <clem.law@usa.net>
To: qrp-l@Lehigh.EDU
Subject: [99535] XE2 QRPedition
Message-ID: <20010606233446.28242.qmail@nwcst337.netaddress.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: quoted-printable

I am going to be in Mexico (near Matamoros) this weekend. I have the lic=
ense
lined up, so I'll be taking my 40 meter QRP rig with me. At this point, =
I
don't know whether I will be staying on the W5 or the XE2 side of the bor=
der,
but either way, I will probably be on the air a little bit Saturday and S=
unday
nights from my hotel room.

I am also planning to operate from the beach. I will post more detailed
information, probably on Friday, but tentatively, I plan to be QRV as XE2=
/W0IS
on Saturday afternoon from approximately 3 to 6 PM US Central Time.

I plan to use my MFJ 9040 running about 5 watts to a balloon-suspended

vertical. I did try this out at home the last couple of nights using a t=
oy
balloon holding up 33 feet of 30 gauge wire. This does seem to work as l=
ong
as the wind is light and there few obstructions. (If the wind is stronge=
r,
I'll either try a kite or else just make do with a dipole secured to what=
ever
is available.) The balloon vertical was only marginally successful at ho=
me,
but my only ground was a single radial. It seems to me that with a good
ground (wire buried in damp sand), this should perform fairly well. I'd
appreciate hearing from anyone who has tried this kind of setup, as I'm o=
pen
to any hints or suggestions.

I also have a question about power supplies. I might be able to plug the=
 rig
into a vehicle's lighter socket. But if that's not possible, I plan to r=
un
the 9040 on D cells. It seems to me that using 9 cells (13.5 volts) woul=
d be
preferable to using 8. Is there any reason why 13.5 volts would be a bad=

idea? (I've run the rig mobile before with no problems, which presumably=

means it's been running on 13.7 volts, right?)

I'll post a more updated schedule to the list, probably on Friday. But
tentatively, look for XE2/W0IS on 40 meters, probably near 7040, between =
3 and
6 PM US Central Time this coming Saturday. QSL via my home address or vi=
a the
Fists QSL Bureau (or if you are outside the US, via the regular QSL BURO =
to
W0IS). If the weather is bad (just check the WX online for Brownsville, =
TX),
this will be postponed to Sunday. =

I would think I should put in a fairly good signal to the gulf coast stat=
es. =

If I manage to get a pile up going, the exchange will be RST and QTH, but=
 more
likely, if I manage to work anyone I'll try for a bit of a ragchew.

TNX & 73,

Rick W0IS

Date: Wed, 06 Jun 2001 19:59:23 -0400
From: "Phil (VA3UX)" <phil@vaxxine.com>
To: rick@ltcable.com
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [99536] Re: Interesting Used Scope and Test Equipment Site
Message-ID: <5.0.2.1.0.20010606195655.009fc720@vaxxine.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Since that is my site, I should mention that I'm in the process of updating
the price table right now. Having said that I can say that there is very
little change (practically NO change in most cases) between the data that
is there now and what will be added.

Phil

At 04:29 PM 6/6/2001 -0500, Rick Austin wrote:
>Hi gang,
>
>Ran across a site that provides pricing (high/low/average) of scopes, probes
>and other equipment as determined by past ebay auctions.
>
>"Veddy interesting"
>
>Rick Austin
>
> http://www.vaxxine.com/phil/scopes/test.htm

Date: Wed, 06 Jun 2001 16:55:20 -0700
From: Jeff Stai WK6I <jstai@home.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [99537] Re: The Complete DXer
Message-ID: <5.1.0.14.2.20010606165405.055c0ec0@mail>
Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

I concur with both pieces of advice.

- jeff wk6i (who bought Jay's copy and was glad he did!)

At 11:46 AM 6/6/01, Jay Bromley wrote:
>Emulate K5ZTY in a QRP fox hunt and well as the other Houston hounds while
>looking for the book. Good operators down there!!
>
>73 de jay..
>
>> I'm looking to buy a copy of "The Complete DXer" by RC Locher. It's out of
>> print and Bill, K5ZTY, has highly recommended it.
>>
>> If you have it on a shelf gathering dust, it'll get some use in my shack.
>> Please reply off-list. Thanks!!!!
>>
>>
>>
>>
>>
>> ____
>> Send a cool gift with your E-Card
>> http://www.bluemountain.com/giftcenter/
>>
>>
>>

jeff stai
radio stuff: WK6I in DM13
rocket stuff: NAR #21059 TRA #3356 Level 2 Cert.
email: jstai@home.com or wk6i@arrl.net
ROC web page: http://www.rocstock.org/
LDRS web page: http://www.ldrs20.org/

Date: Wed, 6 Jun 2001 20:01:58 -0400 (EDT)
From: Doug Faunt N6TQS +1-510-655-8604 <faunt@panix.com>
To: qrp-l@Lehigh.EDU
Cc: GQRP@yahoogroups.com
Subject: [99538] Balun, to be added to Z11
Message-ID: <200106070001.UAA09427@panix6.panix.com>

I want to add an internal balun to the Z11 automatic tuner before Field Day, and am looking for usable configurations. Ideally, it could be switched between 1:1 and 4:1 configurations.

I believe I've seen such an addition on someone's web page, but there's too much information available, and I can't locate it.

Any pointers or hints would be appreciated.

73, doug

Date: Wed, 06 Jun 2001 20:06:37 -0400
From: "Phil (VA3UX)" <phil@vaxxine.com>
To: rick@ltcable.com
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [99539] Re: Tektronix 547 Probes?
Message-ID: <5.0.2.1.0.20010606200014.009f9690@vaxxine.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Since the Tek 547 has 50 Mhz bandwidth (with the appropriate vertical plug-in), use a probe rated at least at 50 Mhz, and certainly higher is better in terms of maintaining the bandwidth of the vertical amplifer.

The type 53/54C plug-in has a 24 Mhz bandwidth. The type "B" plug-in has a 20 Mhz bandwidth. Both of these are simple but good reliable vertical plug-ins. The type 82 is only for the 580 series scopes and will not work in the 547 mainframe. To get the full 50 Mhz from the Tek 547, look for a type 1A1 or 1A2 plug-in.

Phil

At 05:47 PM 6/6/2001 -0500, Rick Austin wrote:
>Through the generosity of Ed Manuel (N5EM) in Houston, I now have a 547,
>Scope Cart and 53/54C, 82, and B plug ins but no probes. Loaded in the car
>during the worst of Tropical Storm Allison yesterday - 5-10 inches of rain
>in an hour or two.
>
>The 547 looks familiar. I think I used one of these back in the late 60s to
>troubleshoot Cockpit Display Avionics that we were designing at Norden in
>Norwalk, CT for the F111D.
>
>What probes would be appropriate for general HF troubleshooting work around
>the shack?
>
>Rick Austin

>KD5LAQ

Date: Wed, 6 Jun 2001 18:06:51 -0600
From: "Rod Cerkoney, N0RC" <rod@n0rc.com>
To: "Flying Pigs" <fpqrp-l@mpna.com>, "Elecraft-list" <elecraft@qth.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [99540] 101 (or more) uses for 1N4148 diodes
Message-ID: <028b01c0eee5$c1605010$6401a8c0@c919125b>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Folks,

One list members asked. "What can I do with a 'big-bunch-o-diodes'". I was going to respond to them personally, but then thought it might be fun to hear from other about what they intend to do. I'll start off with:

1. Kit shortages: I've come up short a diode or two on occasion. I've always had a few extras to draw from. (I needed more, so bought a bunch, kept some and sold the rest)

2. HB projects: pick up a QRPp or NJQRP Homebrewer--bet it won't take but 15 min or less to see a 1N4148 called out some were, TR switch for example.

3. Match a few and experiment with HB diode ring mixers.

4. On board test equipment, RF detector: Look at the NC20 or OHR rigs, 1N4148s or 1N914s are used in an on-board RF detector for tuning. Hook up you voltmeter and twiddle away to peak up your rig.

Enough from me. What would/could/will you do with a 'big-bunch-o-diodes'?

73, Rod N0RC
Ft Collins, CO

****

Date: Wed, 6 Jun 2001 17:13:22 -0700
From: "Bob Tellefsen" <n6wg@earthlink.net>
To: <qrp-l@Lehigh.EDU>
Subject: [99541] Re: QRP+/++
Message-ID: <MABBJOEABOILMKCJCLFCKEACCIAA.n6wg@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Colin
I bought the original QRP+, then later had it factory upgraded to the QRP++.
The differences are mainly in the receiver section.
The + had one stage of IF amplification, the ++ had a second stage added.
With the +, gain was a bit anemic; with the ++, almost excessive.
The designer added back to back diodes at the output of the IF strip, on the
theory that they would serve as an RF clipper when in SSB transmit, to give
the signal more punch.
I never used mine on ssb, so can't say if that really worked or not.
However, on receive,
it caused series intermod, which went away when I removed the diodes.

Neither version of the rig has an RF (really IF) gain control. I added one
to mine, and it helped tremendously. The receiver AGC is audio derived,
which means the wide IF bandwidth lets a whole bunch of junk through, in
addition to the desired signal. By the time the SCAF filter
gets into the act, the damage is already done.

On transmit, something was done to the ++ to keep transmit output power more
consistent across a band. I can't remember the details, but it did work.

If anyone else can recall any other differences, please feel free to add on.

73, Bob N6WG

Date: Wed, 6 Jun 2001 20:32:14 -0400
From: "Ed Tanton" <n4xy@att.net>
To: "QRP-L Reflector" <qrp-l@Lehigh.EDU>
Subject: [99542] Test Probe Source

Message-ID: <CKEGICNFDIMCEKEDCEHFCEPLHFAA.n4xy@att.net>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

A question was asked about oscilloscope test probe sources. Mouser (and I think Digikey) sell them, but an excellent direct source for all kinds of probes, clips, etc. is <http://www.testprobes.com/> . Their "Basic Kit: 'Convert-A-Tip'" is an excellent deal at $42.

73 Ed Tanton N4XY <n4xy@arrl.net>

Ed Tanton N4XY
189 Pioneer Trail
Marietta, GA 30068-3466

website: http://www.n4xy.com

LM: ARRL QCWA AMSAT & INDEXA;
SEDXC NCDXA   GACW   QRP-ARCI
OK-QRP QRP-L #758 K2 (FT) #00057

Date: Wed, 06 Jun 2001 22:14:48 +0100
From: Larry Cahoon <lejek@erols.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [99543] Re: HF and the elevation advantage
Message-ID: <5.0.2.1.0.20010606221116.009f6ca0@pop.erols.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

>
>
>First, you don't have to get an 80m dipole up three wavelengths for it to
>be effective. NQ4I has a two-element shortened 80m yagi at 140 feet.

Let me repeat, you don''t need to get it up that high to get it to perform. I've got DXCC on 80 meters. The main antenna was a dipole up about 40 feet. After I had 80 countries confirmed I went out an picked up up on of the butternut 40/80 meter vertical to help with the final 20. But I'd guess I still got half of those off the dipole. One item of note

though is I was running 100 watts at the time - pre-QRP days.

73 de Larry.....WD3P in MD

Date: Wed, 6 Jun 2001 20:38:12 -0400
From: "Alan Fryer" <qrpdx@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [99544] Re: HF and the elevation advantage
Message-ID: <000a01c0eeea$23040d80$4ac4323f@hppav>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Larry is right. Even a shortened vertical (20-30 FT), center or top loaded and a modest radial system (best elevated 6 FT or more) of 3-4 long wires or lots of short wires would honk on 80M DX....

Alan, N3BJ

----- Original Message -----
From: "Larry Cahoon" <lejek@erols.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Wednesday, June 06, 2001 5:14 PM
Subject: Re: HF and the elevation advantage

>
> >
> >
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> >be effective. NQ4I has a two-element shortened 80m yagi at 140 feet.
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> Let me repeat, you don''t need to get it up that high to get it to
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> about 40 feet. After I had 80 countries confirmed I went out an picked up
> up on of the butternut 40/80 meter vertical to help with the final 20. But
> I'd guess I still got half of those off the dipole. One item of note
> though is I was running 100 watts at the time - pre-QRP days.
>
> 73 de Larry.....WD3P in MD
>

Date: Thu, 07 Jun 2001 01:07:28 +0100
From: "Chuck Adams, K7QO" <k7qo@earthlink.net>
To: qrp-l@Lehigh.EDU
Subject: [99545] [MH101] IF Can Substitution
Message-ID: <5.0.2.1.0.20010607003458.009edaf0@mail.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Gang,

OK, about to put some mod circuits on the web page.
I received a couple of nice circuit changes from
Jim Kortge, K8IQY, which he gave permission to use
and I thank him for that. One is a front end filter
and the other is a 4-pole Butterworth IF crystal filter
that should tighten down the bandwidth for those requiring
or who desire same.

Here is another experiment I did to look at using a toroid
as a replacement for an IF can. Reason is that will all
the toroids that eveyone got from Doug Hendricks, KI6DS,
and Jim Cates, WA6GER, you've got to start using them for
something.... :-) They were cheap and some day the IF can
will go away as we have already seen some of them disappear
from the catalogs recently.

The 42IF123 IF Can ----

Looking at the can from the side with the label 42IF123 and
the pins DOWN. The left hand pin is pin #1, the center pin is
#2, and the right hand pin is #3. This is the primary coil
of the IF transformer. The total number of turns is 14 and
pin #2 is a tap at turn 5 from pin #1. Remember this. It will
come up again in a week or two and I don't want to repeat it in
a long posting. :-) ;-) The pin opposite from #1 on the other
side is pin #6 and the pin opposite of #3 is #4. Those are the
secondary pins and the secondary has only 2 turns.

Turn the can upside down and look at the bottom. See the aluminum
looking critter about 5mm long in the middle? That is the 47pF
glass cap that is wired across pins 1 and 3. You don't touch it
if you are using the 42IF123 in the SW30+.

OK, that is for the people using the 42IF123 transformers (3 of them)
in the SW30+ build.

Jim Kortge, K8IQY, replaced the first IF can (T1) with a bandpass filter consisting of 10 parts, so you will need more than 1 sq. cm. of board space to do this. Go look at my web page and the QRP-10A page. There is a picture of the bandpass filter in the transmitter that is very similar to this and you can copy that layout if you want to do this. I will also put, if Jim will allow, a picture of his layout that he emailed to me where he took a little more room and that will help those that feel too much stress for trying for the smaller space. The rig will work over a larger area just as well, but you don't want a rig winding up being about 15cm by 15cm when finished. :-)

I wanted to replace the IF can with two parts, a toroid and a variable cap. And here is the test results. There is a trade off, so be warned.

I wanted to go with the T37 sized toroid. With 4.5uH as the value for the 42IF123, I could get close with 30T on a T37-2 using #28 wire. I used 30T for the primary and 4T for the secondary. I get 4.36uH measured on the primary with the secondary open and 2.83uH measured with the secondary shorted. I calculate a coupling factor, k, of 0.59 which is higher than desired but it will do in a pinch.

I found an orange Murata variable cap (these were used by a bunch of people over the years in kits) that measured about 4-85pF using the AADE L/C digital meter. Using this cap and driving the secondary with a Tek signal generator, I was able to resonant the primary from 8.2MHz up to over 12MHz with no problems.

f_0 = 8.20MHz C = 84.7pF

= 9.25MHz C = 62.2pF

10.4MHz 42.7pF

12.3MHz 27.3pF

I did a quick check of the 42IF123. At 10.4MHz input to the secondary I got 2.8 divisions of voltage out and at 0.7 of that (1.96 approx.) I was at 10.0MHz, thus about 800KHz BW at the half-power points.

For the T37-2 tuned to 10.4MHz, I got 2.6 divisions out with the same drive level and at 10.0MHz the output was 1.8 divisions. So it looks pretty good to me and I'm going with it.

With a 1500 ohm load the Q goes down significantly but that I will have to test on the IF can later too. Yet another experiment to do. This loaded Q may make the front-end a little wider than some would

like in some areas of the world. You might consider going to #24 wire and overlapping turns. I'll do that myself when time allows and run a test.

So, I will replace my 42IF123 in my rig with the above T37 30T:4T ratio and we'll see how it works out.

I will have the schematics online later tonight for sure. I'm off to do one more test. I am using a NE602 with both the receiver and transmit setups with crystals. I want to add a variable cap to allow me to offset the transmitter a little more than in the basic kit. That way we all can get the sidetone where we want it. An extra part but darn well worth it IMHO.

Film at 11.

dit dit es FYI

Chuck Adams, K7QO   CP-60
Prescott, AZ   k7qo@earthlink.net http://www.qsl.net/k7qo

TMPS-2001 Jan 12th -> April 15th, 2001   States = 49 DXCC = 15

States Needed   AK DXCC --- K XE VE KH6 V73 HI3 FM5 OH3 C6 ZL1 CO8 ZS6 EA8 EA7 PJ ZL2

Moving to Arizona?   --- Bring your own water.

Date: Wed, 06 Jun 2001 22:07:40 -0400
From: Chuck Ludinsky <cjl@mitre.org>
To: neqrp@jonal.net, qrp-l@lehigh.edu
Subject: [99546] NEQRP CW Net, Thursday, 7 June, 8:30 PM EDT, 3.565MHz
Message-ID: <3B1EE1EC.8047633D@mitre.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The New England QRP Club's WQ1RP CW net meets again Thursday night, 7 June 2001, at 8:30 PM EDT (0030Z, 8 June 01) on or near 3.565 MHz. Net control operator for this week's 80M session will be John, WB1HBE, operating from Chelmsford, MA.

Net control op for last week's session was Chuck, K1CL, operating from Chelmsford, MA. We had a total of 13 participants:

K1LGQ	Dennis	Brookline, NH	599+
WB1HBE	John	Chelmsford, MA	599+
N1EI	Charlie	Mansfield, CT	599+
AB8DF	Ed	Waterford, MI	229 (QSP)
AA1MY	Seab	Bethel, ME	599+
KD1YV	Jim	Bethel, CT	599+
W2APF	Thaire	Easton, MA	599
W1CFI	Paul	Falmouth, MA	489
WA3WMJ	Ken	Erwinna, PA	599
W1PID	Jim	Sanbornton, NH	599+
W1FMR	Jim	Salem, NH	599+
N1ZSW	Ron	Worcester, MA	479
K1CL	Chuck	Chelmsford, MA	(net op)

Signals were all mostly quite strong. One exception was Ed, AB8DF, whose 229 required QSP assistance from John, WB1HBE. The powerline noise in my area made it impossible to copy Ed; thanks to John for his assistance. And thanks, also, to everyone for QNI'ing and making this an enjoyable net.

So... stop by Thursday night, welcome John back as net control operator, and say hi to everyone on the NEQRP CW net.

72 DE K1CL,
Chuck.

Date: Wed, 6 Jun 2001 22:11:15 -0500
From: "Dennis Payton" <dpayton@fwi.com>
To: <qrp-l@Lehigh.EDU>
Subject: [99547] Re: Preferred building method? A survey.
Message-ID: <018501c0eeff$847364c0$93a854d1@locke>
MIME-Version: 1.0
Content-Type: text/plain;
    charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Responses have been disappointingly slow so far, but Ugly is leading Manhattan by a hair. And etching your own board is running a surprisingly close third. I hope I get some more responses though, or this thing isn't going to be very accurate.

P-l-e-a-s-e participate! :-)

Thanks!

Denny   N9JXY

>I was just talking to someone, wondering what the most popular method of
>construction is among builders. I assume there's not a problem with me
doing
>this (if there is, I hope someone will let me know), and I don't know if
>there'll be any interest, but I'd like to try a survey of any willing QRP-L
>members to get an idea how most of us prefer building.
>
>If you'll email me with your preferred method IN THE SUBJECT LINE, I'll
>tally everything up and report back at the end of the week. You can say
>"Manhattan", "Ugly", "Etched Board", "Perfboard", or whatever.
>
>Thanks!
>
>Denny   N9JXY
>dpayton@fwi.com
>

Date: Wed, 06 Jun 2001 23:25:17 -0400
From: Richard Arland <rarland@earthlink.net>
To: QRP List <qrp-l@lehigh.edu>
Subject: [99548] Pink Noise Generator
Message-ID: <3B1EF41D.AAF4A62A@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

In talking with Zack, W1VT, at the HQ Lab today, he mentioned something
about a pink noise generator chip that was manufactured by National. I
was on their web site but couldn't find anything that even looked
remotely like what I need.

Anyone got a handle on this chip? Source?

73 Rich K7SZ

Date: Wed, 6 Jun 2001 23:34:34 EDT
From: Gsdavis7070@cs.com

To: qrp-l@lehigh.edu
Subject: [99549] heathkit parts question
Message-ID: <c8.15d68cf1.2850504a@cs.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I have a translucent wax paper packet of toroids (each wound and sealed in wax) and the
heathkit part number on the packet is 40-1878. I have had this little bag for 11 years thinking that maybe some day I might need it. Anyone out there with heathkit knowledge and savy have any idea what those toroids fit? They could possibly be a big help to someone. Gordy Nw0y

---

Date: Wed, 06 Jun 2001 20:50:54 -0700
From: "Richard Kendrick" <n7nt@qwest.net>
To: rarland@earthlink.net
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [99550] Re: Pink Noise Generator
Message-ID: <3B1EFA1E.F95C4AED@qwest.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Rich,

The part you're looking for is an MM5837. It's actually a white noise generator and requires a filter to massage it to pink noise. If you need more details, I can scan the page from National's Audio Handbook that has a complete schematic and matching textual information and email it to you. Not sure about a source, maybe Jameco, Digikey, or Mouser.

73 Richard N7NT

Date: Wed, 06 Jun 2001 18:25:17 -0500
From: "George, W5YR" <w5yr@att.net>
To: "qrp-l@Lehigh.edu" <qrp-l@Lehigh.edu>, elecraft@qth.net
Subject: [99551] WTCPT - One More Time
Message-ID: <3B1EBBDD.BEC074B5@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Well, RadioShack.com finally came through and a brand new $89.99 Weller

WTCPT soldering station is installed on the W5YR workbench with several
kits piled up and waiting to "melt solder!'

Thanks to all who recommended this piece of equipment and who advised on
its availability, etc.

One additional question: the iron comes equipped with the PTA7 tip. Is this
the recommended tip to use for K2 assembly? I seem to recall reading on one
of the Elecraft listings of a different tip.

--
72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6

Fairview, TX   30 mi NE of Dallas in Collin county   EM13qe
Amateur Radio W5YR, in the 55th year and it just keeps getting better!
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

Date: Fri, 8 Jun 2001 22:01:07 +0000
From: flyer@value.net
To: qrp-l@lehigh.edu
Subject: [99552] FS Unbuilt Red Hot 20
Message-ID: <200106070500.f5750VT13146@mail.value.net>

I have an unbuilt Red Hot 20 which I will ship insured anywhere
in the CONUS for $120. It is the old style case (the pretty
one).

Please respond off the list.

Mark Smith   W7MTP   Pleasanton, CA

Date: Thu, 07 Jun 2001 01:17:18 -0400
From: Fran Flynn <fflynn@adelphia.net>
To: qrp-l Discussion <qrp-l@Lehigh.EDU>
Subject: [99553] SLA charger
Message-ID: <3B1F0E5E.BDBE902B@adelphia.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

This is what I have so far on the 12v sealed lead acid battery
charger that operates from a 11 to 15 volt supply. I'll do
up a component placement diagram for the circuit board as

time permits, maybe this weekend.

http://home.adelphia.net/~fflynn/sla.html

-Fran Km1z

Date: Wed, 6 Jun 2001 23:03:45 -0700
From: Dan Presley <talljazz@teleport.com>
To: qrp-l@LeHigh.EDU
Subject: [99554] balloon portable!!
Message-ID: <a05010405b744c88f568f@[209.239.223.126]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii" ; format="flowed"

Late last night (0600) I was on 7040 trying out my new matchbox tuner, and after completing a qso I was called by a very weak station. After some adjustments to the K2 and improvement in conditions I copied a call from W0IS in Minnesota, and he was trying out a balloon-raised vertical. Here's a copy of the email he sent me-hope some of you get the chance to work him during his stay in 'Tex-Mex' land.

"Hi, Dan.

I found your address on QRZ.COM.

I just wanted to thank you for the QSO last night and your patience in pulling me out of the noise! Like I mentioned on the air, I'll be in Mexico this weekend, and want to get on the air for a few hours from the beach (near Matamoros and Brownsville, TX). My plan for an antenna is to use a vertical suspended by a balloon, and I needed to try the concept out last night.

The antenna consisted of a toy balloon (Sesame Street) and 33 feet of 30 gauge wire. I had the base of the antenna on the deck of the house, and had to tie part of it off to the first mast I could find (a rake) to keep it from blowing onto the roof and getting stuck. The only ground was a single radial of about 30 feet going off to the East. The rig is an MFJ-9040 running about 5 watts and sitting on the dining room table.

It seems to be getting out, but I'm hoping it will work much better this weekend, where I will have two things going in my favor: First of all, I should be able to set it up in an area with no obstructions. And most importantly, I should be able to get an excellent ground by burying some wire in the damp sand. (And it probably won't hurt to be signing a DX call.)

I think I'll be on from the beach on Saturday from about 3-6 PM Central Time,

which probably won't give any propagation to W7. However, I'll probably also be on Saturday and Sunday nights from my hotel as (hopefully) XE2/W0IS, or possibly W0IS/W5.

Thanks again for the QSO, and I just thought you would like a more complete description of my convoluted setup!

TNX, 72 & 73,
Rick W0IS"
--
Dan Presley-N7CQR-Portland, Or QRP-L #502

Date: Thu, 07 Jun 2001 07:04:50 +0100
From: "Chuck Adams, K7QO" <k7qo@earthlink.net>
To: qrp-l@Lehigh.EDU
Subject: [99555] [MH101] T1 Question and an Answer
Message-ID: <5.0.2.1.0.20010607064747.00a1b7a0@mail.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Gang,

I got an email about T1 which is one of the 42IF123's.

The question came up as to which pins are the primary and
the secondary.

The "primary" is really pins 4 and 6 as Dave is using T1 to
match 50 ohms in to 1500 ohms out to the NE602/NE612.

The secondary of T1 is pins 1 and 2 in the original SW-30+.
I checked this in the docs from Dave and this checks out.
Look on page 10 at the PC board layout in the lower left
corner.

But someone needs to work on this before I get to it, but I
think a better match would be pins 1 and 3 to get closer to
the 1,500 ohm input of the NE602 mixer. I worked out a 5.5
turn ratio for primary to secondary to match 50 ohms to 1500 ohms.
This from the square root of the turn ratio. You might get a better
match and a little more from the receiver by modifying this setup.
I'll experiment later in the week (not much left) as my son is
visiting and he goes back to Austin on Friday. I may be wrong
on this as Dave doesn't make mistakes that I know of.....

Note that in the schematic you have fewer turns shown on the primary
side if you treat the input as coming into the "primary" of T1, thus you
use the other side of the 42IF123 as the primary. We are just reversing
the sense of the transformer in this case. When we get to the transmitter
section and to T2 and T3 then you'll really get confused even further. :-)

FYI

P.S. Haven't put this on the web page yet. For ICs and transformers I use
what I call the "Lunar Lander" configuration. I put pads on the four corners
of the part and then glue the part in place. I then use either the leads of
components or #26 wire to connect the pins to the rest of the circuit.
In the case of the 42IF123s you can use pads on all 5 legs.

I have examples of this in other parts of the Manhattan Building material.

Chuck Adams, K7QO   CP-60
Prescott, AZ   k7qo@earthlink.net http://www.qsl.net/k7qo

TMPS-2001 Jan 12th -> April 15th, 2001   States = 49 DXCC = 15

States Needed   AK DXCC --- K XE VE KH6 V73 HI3 FM5 OH3 C6 ZL1 CO8 ZS6 EA8 EA7
PJ ZL2

Moving to Arizona?   --- Bring your own water.

Date: Thu, 7 Jun 2001 15:19:47 +0700
From: "Donny Sirait" <dsirait@centrin.net.id>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [99556] QRP-L CDROM archives
Message-ID: <000601c0ef2a$d527e3c0$faee92ca@donnysirait>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Dear folks,
I got my QRP-L CDrom archive version 3 last May 2000
and I think it's time for the new version. Does anybody
have any info on that?

Would love to have the newer version since the archive
is taking space on my hard disk hi hi.

I know it is not an easy task but this is my wish list
for the new version:

1. deletion of the unsubscribe and test postings
 (it takes CDrom space too??)
2. A search engine for topics posted (or maybe a more detailed index?)
3. Ham Freeware collection? (especially for us with slow connection?)
   or maybe a web page with links to the site??

Somebody can probably add to this wish list??

Probably this is no more a task of single or several person (I think last
year
it is John's work) anymore but I believe we can do it the QRP way
(collaboration of several talented hams) and the proceed can go to support
a new good but cheap QRP project for all of us???

Thank you for reading and hope this come out with something.

vy 72 de YB1BOD
Donny Sirait
Bekasi Indonesia

Date: Thu, 7 Jun 2001 06:33:11 EDT
From: K5BDZ@aol.com
To: k7qo@earthlink.net, qrp-l@lehigh.edu
Subject: [99557] Re: [MH101] IF Can Substitution
Message-ID: <38.173d89c6.2850b267@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Chuck's (K7QO) findings (and values) on using a toroid to replace the 42IF123
and similar transformer cans strongly parallels my findings a few years ago.
Also, I find the toroids "just work better" than the cans, even though I
still use Transformer cans in a few unimportant situations today...because I
have so many can's and they're quick.
However, if designing a new radio, I would use toroids hands down over the
can transformers for too many reasons to list.

Thanks Chuck for the great info
Bill K5BDZ

Date: Thu, 07 Jun 2001 06:54:31 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: K5BDZ@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [99558] Re: [MH101] IF Can Substitution
Message-ID: <3B1F5D67.C9946FE8@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I'd like to echo Chuck and Bill's experience. An IF transformer is little more than a HI-Q circuit. The can is there for shielding. You can easily substitute a toroidal transformer. The toroid is largely self shielding. but may require more adjustment. In production the can offers greater ease of construction, and fewer adjustments, that's all.

73

Date: Thu, 7 Jun 2001 07:10:31 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <w5yr@att.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [99559] Re: WTCPT - One More Time
Message-ID: <004901c0ef43$139bd180$0600a8c0@dad>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I use the 'stock' tip for over 99% of my stuff. But it never hurts to keep a 'super fine' tip handy, just in case.

I picked up an aftermarket 1/64" chisel tip when Contact East used to carry them a few years back. I can do 200pin surface mount stuff with that!

Tips are cheap. If buy a selection. At least, one extreme, and maybe one or two others. LONG THIN tips are also handy at times.

Mike

----- Original Message -----
From: George, W5YR <w5yr@att.net>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Wednesday, June 06, 2001 7:25 PM
Subject: WTCPT - One More Time

> Well, RadioShack.com finally came through and a brand new $89.99 Weller
> WTCPT soldering station is installed on the W5YR workbench with several
> kits piled up and waiting to "melt solder!'
>
> Thanks to all who recommended this piece of equipment and who advised on
> its availability, etc.
>
> One additional question: the iron comes equipped with the PTA7 tip. Is
this
> the recommended tip to use for K2 assembly? I seem to recall reading on
one
> of the Elecraft listings of a different tip.
>
> --
> 72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6
> Fairview, TX   30 mi NE of Dallas in Collin county   EM13qe
> Amateur Radio W5YR, in the 55th year and it just keeps getting better!
> Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437
>
>

Date: Thu, 7 Jun 2001 07:11:11 -0400
From: Nils R Young <nilsbull@juno.com>
To: QRP-L@lehigh.edu
Subject: [99560] Travel radio
Message-ID: <20010607.071120.-497581.1.nilsbull@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Yoldashlar!

Man, could you imagine the trouble I'd get into if I tried sending an email in Kazakh on a moderated list? The mind reels . . . in fish.

I have been asked by some about my planned frequency usage during my upcoming travel/vacation/cabeza de vaca. Well, I ain't got any. Plans. Cabeza. Whatever.

The space between 7248 and 7260 comes to mind, since I have from time to

time found people there who are also on the road but a dang sight less clueless (but almost as circumlocutory) than (as) me. Maybe I should go mobile CW, eh?

I only have three antenna options, even with the LDG Z-11 stuffed under the driver's seat: 40m, 75m, 2m/6m. And I ain't takin' the 6m radio, even if it is smaller & might just slip past Cindy's watchful attention to loading details. I don't even know how much HF I will be doing. It's a vacation, see. Kinda like ham radio: fun, as opposed to religion, which universally (with the exception of Tantra) is not fun.

Radiyosiz, sen bir axlat; radiyobilan sen adam!

73

Nils

Nils R. Bull Young -- El Gringo Errante -- La Estancia de los Guajolotes Sonrientes
W8IJN -- http://www.geocities.com/nilsbull/w8ijn
In my day you had to FIGHT to have digits! Every DAY was a STRUGGLE!
--- Comrade Nikolai Sergeevich McTovarishov

Date: Thu, 07 Jun 2001 07:09:52 -0500
From: "Joel Kluender, NF9K" <nf9k@eudoramail.com>
To: qrp-l@lehigh.edu
Subject: [99561] G5RV Balun Use Question
Message-ID: <KGCBJHGEMFBPLBAA@shared1-mail.whowhere.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Language: en
Content-Transfer-Encoding: 7bit

All,

The PolarFab ARC QRP field day plans to use my elecraft K2 with KAT2 auto tuner and two flat-top G5RV's at 30', oriented perpendicular to each other.

My plan was to feed both with 31' of ladder line and place the operating tent directly underneath the feed. I was planning on using two 4:1 baluns for the two

antennas and short (< 10 feet) of coax to the rigs.

However at present I already have a 4:1 balun and a 1:1 balun, not two 4:1. I could canibalize the 1:1 and turn it in to a 4:1. But I was wondering if anyone on this list has experience with feeding the two systems both ways and can give me a performance comparison from experience. It seems to me that the added losss is not too significant, because th lossy coax length will be very short, < 10 feet, to get to the rig. It would be nice to not have to cannibalize the one.

I'm guessing that for short lengths of coax like I will be using, the main concern is not loss but just basic tunability. I would think that he KAT2 could handle the load using either a 1:1 or 4:1

What are people's thoughts? I have no experience with these antennas.

Thanks,
Joel N0KR

Joel Kluender, N0KR
870 Prairie Street S.
Shakopee, MN 55379

"All men are like grass, and all their glory is
like the flowers of the field; the grass
withers and the flowers fall, but the word of
the Lord stands forever." (I Peter 1:24-25)

Date: Thu, 7 Jun 2001 08:11:14 -0400
From: "Brian" <bmurrey@amexol.net>
To: <n7nt@qwest.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [99562] Re: Pink Noise Generator
Message-ID: <007501c0ef4a$f2d53010$3d05080a@cincom.com>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Excuse the obvious rookie question here...but what, pray tell, is pink noise

and how does it compare to white noise? What do we use pink noise for?

Thanks

==
 KB9BVN/QRP - New Whiteland IN - EM69WN
 QRP-ARCI #10223 QRP-L #1540 FIST #5695
   FISTS CC #764 - Proud Member ARRL
TEN TEC SCOUT @ 5W or NORCAL 40A @ 1.3W
   INTO INFAMOUS AF4PS ATTIC DIPOLE
  SOC #400 AND FLYING PIGS QRP #-57
==

----- Original Message -----
From: "Richard Kendrick" <n7nt@qwest.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Wednesday, June 06, 2001 11:50 PM
Subject: Re: Pink Noise Generator

> Rich,
>
> The part you're looking for is an MM5837. It's actually a white noise
> generator and requires a filter to massage it to pink noise. If you need
> more details, I can scan the page from National's Audio Handbook that
> has a complete schematic and matching textual information and email it
> to you. Not sure about a source, maybe Jameco, Digikey, or Mouser.
>
> 73 Richard N7NT
>

Date: Thu, 07 Jun 2001 08:12:47 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: qrp-l@lehigh.edu
Subject: [99563] Re: Toroidal IF Transformers
Message-ID: <3B1F6FBF.99BE909F@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

It occurred to me after I posted my message about using toroidal IF
transformers, you want to consider the IF frequency too. The toroids we
commonly use will be ok from about 5 mHz up, but below that they are
likely to be way too large! I don't know the pros and cons of using
ferrite cores, but I think they might be way too lossy!

73

Date: Thu, 7 Jun 2001 07:41:08 -0500
From: "Joe Spencer" <kk5na@quadj.com>
To: <joseph.spencer@tccd.net>, "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [99564] Re: HAMCOM 2001
Message-ID: <011201c0ef4f$204f59e0$6601a8c0@c1552060c>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Well folks,

There is only about 2 days until HAMCOM 2001 in
Arlington Texas!

June 8,9,10 2001.

QRP events, tables, meal, building contest, drawing,etc,etc.

We will go and eat at Joe's Crab shack abt 1830 on Friday.

The QRP Presentation are Saturday morning.

Our Tables will be at M1...stop by and see us, Dennis Foster will be there with his great Tee Nee keys...he has some new ones for the K2 and the FT-817.

The building contest and QRP get-together will be Saturday evening at the Courtyard Marriott... same as last two years.

The Subject for the building contest is again..Station Accessory... that is anything that helps in the operation of a QRP station (tuner, power source, etc...)

Here is the webpage to watch for details: www.quadj.com/hamcom2001.htm

LAST CALL

Pre-registration time is running out if you want a badge...
 to get on the list and to get into the drawing....email me
at: kk5na@quadj.com

To make sure you are on the list check http://www.quadj.com/qrp_pre.htm

72.3 for now

Joe KK5NA

Date: Thu, 07 Jun 2001 09:04:15 -0400
From: ww3o@cs.com
To: "Wishart, John" <John.Wishart@compaq.com>, "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [99565] RE: Unicounter Problem - NOT!
Message-ID: <231989FF.1A2CB8B4.00004728@cs.com>
Content-Type: text/plain; charset=iso-8859-1

Many years ago I built a Heathkit Frequency Counter. It was the 250MHz unit so you get the indea of it's age! Anyway, it was rather insensitive and needed a lightning bolt in order to read frequency accurately. Given the low amplitudes of QRP signals it would be useful to know the lower threshhold of level input. My kit is still in the packing so I have been printing out the e-mail relate to it. By the time I get around to construction all the bugs should be well documented. Thanks to the group for such useful information!

72,

Pete Carr WW3O

"Wishart, John" <John.Wishart@compaq.com> wrote:

>Ron, Mike (W9WIS), & Steve (KD1JV),
>
>After we tried all suggestions with little success (all voltages looked
>good, but improper signal frequency and amplitude & little signal stability
>at the CPU-2 & 3), we found out what the problem was: a bad BNC cable
>connection at the test lead coming from the function generator to the
>Unicounter. This caused no/bad input signal into the Unicounter. After we
>fixed that with a new cable, the Unicounter worked fine. At 5 MHz, there was
>about 130-150 Hz difference, uncalibrated, between the Unicounter display
>and our HP counter, well within the specs. I calibrated this out and it
>works great.
>

>Speculation (I'm an ME, not a EE): maybe having the test lead attached even
>with no signal was enough of an antenna or load on the amplifier circuit to
>cause it to oscillate somewhat shakily at about 20 Mhz, causing the random
>readings. When the test lead was detached it was reading zeros, as it
>should.
>
>Thank you all very much for your prompt and useful assistance.
>
>73,
>John Wishart, KC0JFH
>
>-----Original Message-----
>From: Ron Stone [mailto:rsstone@juno.com]
>Sent: Monday, June 04, 2001 10:01 PM
>To: Wishart, John
>Subject: Re: Unicounter Problem
>
>
>John,
>
>Some more thoughts. From what you've told me, the circuit is operating
>at least 90% correctly assuming that the initial voltages checked out and
>the PIC was behaving fine during initial programming. Given the
>simplicity of the thing, there really aren't too many things left that
>could go wrong. If you still have a problem after removing the scope and
>frequency counter, here's what you can do. The basic strategy is to
>first see if the amplifier is working right (i.e, a proper signal is
>reaching the PIC, and if it isn't why). With the power off, very
>carefully remove the PIC from the socket and then attach the scope probe
>to pin 2 or 3, power it up and apply a 1 V p-p sine wave input signal and
>you should see a close approximation of a sine wave running from a bit
>more than 0 volts to less than about 4.8 V. Then try lowering the input
>voltage to .5 volts p-p and then .1 volts and see how the voltage on pin
>2/3 changes. At 5 MHz, it should go down somewhat but stay in roughly
>the same range as with 1 V (p-p). If all that checks out, then the
>amplifier is ok and there's probably a problem with the PIC itself or the
>oscillator circuitry. Let me know what you find out.
>
>72,
>
>Ron (KA3J)
>
>On Mon, 4 Jun 2001 14:06:02 -0500 "Wishart, John"
><John.Wishart@COMPAQ.com> writes:
>> Mike & Ron,
>>
>> Well, removing the ground clip coming from the fxn generator got the
>> signal

>> into the counter and it's giving me digits now. Not the right ones,
>> but
>> digits other than the "0000.". However, now it only gives me 5
>> digits plus
>> the decimal point and it is not consistent (random numbers). I have
>> the low
>> digit programmed at 1 and the high digit programmed at 7. It seems
>> like it
>> should show something close to 5.000000 in sequence when I have a 5
>> MHz
>> signal into it. Any further enlightenment?
>>
>> Thanks for your help.
>> Regards,
>> John Wishart, KC0JFH
>>
>> -----Original Message-----
>> From: Michael Melland [mailto:w9wis@charter.net]
>> Sent: Monday, June 04, 2001 11:33 AM
>> To: Wishart, John
>> Subject: RE: Unicounter Problem
>>
>>
>> > I had it hooked up to a function generator looking at a 5 MHz, 1
>> Volt
>> > peak-to-peak sine wave. I also had an HP frequency counter and an
>> > oscilloscope connected, so I know the test signal was present and
>> > working. I
>> > am using a fresh 9V alkaline battery for the power source. I am
>> using a
>> > standard BNC (50 ohm) cable with a couple of test clips to connect
>> to the
>> > Unicounter RF input lead and ground (about 10" of RG-174).
>>
>> Try removing the ground clip and letting it float..... any
>> difference ?
>>
>> 73 de Mike, W9WIS
>
>____
>GET INTERNET ACCESS FROM JUNO!
>Juno offers FREE or PREMIUM Internet access for less!
>Join Juno today! For your FREE software, visit:
>http://dl.www.juno.com/get/tagj.
>

Date: Thu, 7 Jun 2001 09:06:33 -0400
From: John R Kirby <n3aaz-qrp@juno.com>
To: wb5qyt@abq.com, qrp-l@Lehigh.EDU
Subject: [99566] Re: info / Grid Squares / APRS / ARISS
Message-ID: <20010607.090825.-165759.0.n3aaz-qrp@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

On Wed, 6 Jun 2001 07:06:31 -0600 "T.W." <wb5qyt@abq.com> writes:
>Gang,
>
>Anyone have a Long/Lat program to convert to grid squares they could
>send me??
>
>Tnx and 72, Tom WB5QYT..."Have spud will travel!"

Yes,
WinAPRS (>>waprsXXX.zip<<http//aprs.rutgers.edu) (tnx to KB2ICI) will not
only
convert Lat / Long to Grid Squares and give distance in miles
and compass heading in degrees,
click any two points (also has ZOOM feature) from
the (or almost any downloaded) map
BUT. . . will also expose you to yet another
'facet of this marvelous hobby of HAM RADIO.
Note, no radio or modem required for all the above.

But, If you want to get serious about
APRS (Automatic Position Reporting System)
(HF and/or VHF) (GPS optional)
read any thing by Bob Bruninga WB4APR from the 'www'
(tnx Bob) and / or ARISS (Amateur Radio International Space Station)
(Voice AND packet Downlink is 145.800 -worldwide-)
(Uplink varies depending on mode and region)
(http://ariss.gsfc.nasa.gov/).

For a PC to radio modem consider the
SV2AGW (tnx George) sound card packer engine
(www.raag.org/sv2agw) this is top drawer 'stuff AND
works well with WinAPRS too.

>>SoundCardPacket.pdf<< (tnx Mark KC2RLM and Keith)
(www.qsl.net/soundcardpacket/SatAGW.htm) is an
! OUTSTANDING ! . . . 'how to' . . . document for all the above.

tnx agin guys . . . WOW !

73
John
N3AAZ
FM 19 xa

Date: Thu, 7 Jun 2001 08:40:34 -0500
From: "Jim Gelbort" <jamesgelbort@worldnet.att.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [99567] Re: Pink Noise Generator
Message-ID: <002501c0ef57$6e6b68a0$6500a8c0@mel>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Brian,

I'll take a stab at your question.
Disclaimer: strictly a layperson's understanding being expressed here.

White noise is WIDEBAND energy of random frequency and amplitude.
Pink noise is NARROWBAND or weighted towards a certain range but random
within the specified/desired band of frequencies.

Beats me why one might be used over the other; but I can imagine that an
audio engineer would not need RF noise.

Hope this helps,
Jim N9WW

----- Original Message -----
From: Brian <bmurrey@amexol.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Thursday, June 07, 2001 7:11 AM
Subject: Re: Pink Noise Generator

> Excuse the obvious rookie question here...but what, pray tell, is pink
noise
> and how does it compare to white noise? What do we use pink noise for?
>
> Thanks
>
> ==
> KB9BVN/QRP - New Whiteland IN - EM69WN
> QRP-ARCI #10223 QRP-L #1540 FIST #5695
>   FISTS CC #764 - Proud Member ARRL
> TEN TEC SCOUT @ 5W or NORCAL 40A @ 1.3W
>   INTO INFAMOUS AF4PS ATTIC DIPOLE
>   SOC #400 AND FLYING PIGS QRP #-57
> ==
>
> ----- Original Message -----
> From: "Richard Kendrick" <n7nt@qwest.net>
> To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
> Sent: Wednesday, June 06, 2001 11:50 PM
> Subject: Re: Pink Noise Generator
>
>
> > Rich,
> >
> > The part you're looking for is an MM5837. It's actually a white noise
> > generator and requires a filter to massage it to pink noise. If you need
> > more details, I can scan the page from National's Audio Handbook that
> > has a complete schematic and matching textual information and email it
> > to you. Not sure about a source, maybe Jameco, Digikey, or Mouser.
> >
> > 73 Richard N7NT
> >
>
>

Date: Thu, 7 Jun 2001 09:43:47 -0400 (EDT)
From: David Ek <ekdave@earthlink.net>
To: nf9k@eudoramail.com
Cc: qrp-l@lehigh.edu
Subject: [99568] RE: G5RV Balun Use Question
Message-ID: <381907801.991921427579.JavaMail.root@web625-wrb.mail.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Joel,

My recollection on the G5RV is that Varney's article (I think it's in one of the ARRL Antenna Compendia) said *not* to use a balun. Unfortunately, I don't have the original article in handy, but I did when I built my mini-G5RV (without a balun) and have no trouble tuning it up between 40 and 10 meters.

73 de Dave AB0GO

Date: Thu, 7 Jun 2001 08:47:30 -0500
From: "Brockwell, Stephen E. CECOM SEC FSSE ILEX" <brockwse@fssec.army.mil>
To: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>
Subject: [99569] Ham who wanted QRP Classics still in need?
Message-ID: <F05408425630D4118DEE0000F840B5D485CAC6@alrsrv02.fssec.army.mil>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"

There was an individual from the UK (I believe) in the last week that was trying to get a copy of "QRP Classics". I tried to email him but kept getting no reply. If you still need the book give me an email direct and we'll try again.

Steve KC5TTY

Date: Thu, 7 Jun 2001 08:49:40 -0500
From: "Miller, Mark G" <mark.miller@mcaap.army.mil>
To: "'qrp-l@Lehigh.EDU'" <qrp-l@Lehigh.EDU>
Subject: [99570] Battery capacity for backpacking operation
Message-ID: <65772B8753A7D211897D0008C7F4931A01AECB66@mcalestr-emh3.army.mil>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"

I am planning a two week backpacking trip in early July (more on that later)and will be taking a small wonders SW20+ along. I plan to operate about an hour per day using a set of 9 AA alkaline batteries. I will also take a spare set along. The SW20+ draws about 20mA on rcve and 500 mA xmit.

Does anyone have an experiences that would indicate whether or not I am
going to have enough power for the trip?

72
Mark, K5DP

Date: Thu, 7 Jun 2001 09:50:34 -0400
From: "Ronald A Pfeiffer" <Ronald_A_Pfeiffer@raytheon.com>
To: neqrp@jonal.net, qrp-l@Lehigh.EDU
Subject: [99571] QRP SSB RAGCHEW tonight Thursday at 8:00PM EDST on 14.285+-5
Message-ID: <OF2AFF5815.B29FAE1A-ON85256A50.004FFC35@and.us.ray.com>
MIME-Version: 1.0
Content-type: text/plain; charset=us-ascii

    Thought I'd try 20 meters!
Maybe some DX people will be heard (outside New England area).
Also would like to see if local crew could hear each other.

The more the merrier!

Ron - N1ZSW

Date: Thu, 7 Jun 2001 08:43:37 -0500
From: "Mike Malone" <mmalone@worldlogon.com>
To: <ekdave@earthlink.net>, "Low Power Amateur Radio Discussion" <qrp-
l@Lehigh.EDU>
Subject: [99572] Re: G5RV Balun Use Question
Message-ID: <000d01c0ef57$db3d1320$4800000a@nationwiswqrjt>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have a G5RV and it came with a copy of the Varney article and it does
specify no Balun. The G5RV I got came with a balanced line to coax
connector but said it was not a BALUN. Works FB.
----- Original Message -----
From: "David Ek" <ekdave@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Thursday, June 07, 2001 8:43 AM
Subject: RE: G5RV Balun Use Question

> Joel,
>
> My recollection on the G5RV is that Varney's article (I think it's in one of the ARRL Antenna Compendia) said *not* to use a balun. Unfortunately, I don't have the original article in handy, but I did when I built my mini-G5RV (without a balun) and have no trouble tuning it up between 40 and 10 meters.
>
> 73 de Dave AB0GO
>
>
>

Date: Thu, 7 Jun 2001 16:05:41 +0200
From: "Ingo DK3RED" <dk3red@t-online.de>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [99573] Re: G5RV Balun Use Question
Message-ID: <01b301c0ef5a$f3e2dc40$109101d9@ingo>

Hello Joel and Dave

> ... Unfortunately, I don't have the original article in handy, ...

http://www.g3ycc.karoo.net/g5rv.htm

72 de Ingo, DK3RED

E-Mail: dk3red@qsl.net - Homepage: www.qsl.net/dk3red

Date: Thu, 7 Jun 2001 10:12:50 -0400
From: "ss lyon" <sslyon@megalink.net>
To: <Ronald_A_Pfeiffer@raytheon.com>, "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [99574] Re: QRP SSB RAGCHEW on 14.285+-5 : I'll have a home...
Message-ID: <000c01c0ef5b$f10d0a80$5d8798ce@megalink.net>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

GREAT! I should have a "shack" by tonite... been putting a bench and

shelving into a 6'X9' pump room. Got spiders in there bigger than some of my rigs. See you on '20m, Ron -and thanks again for keeping this thing going. Dare we hope for WAC tonite?
72
-s-
72 / 73,
 "Seab" Lyon - AA1MY
 Bethel, ME 04217 USA
           FN44nj
Seabury & Sharon Lyon
99 Sparrowhawk Mtn Rd
Bethel, Me, 04217 U.S.A.
207-836-2576
----- Original Message -----
From: "Ronald A Pfeiffer" <Ronald_A_Pfeiffer@raytheon.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Thursday, June 07, 2001 9:50 AM
Subject: QRP SSB RAGCHEW tonight Thursday at 8:00PM EDST on 14.285+-5

>   Thought I'd try 20 meters!
> Maybe some DX people will be heard (outside New England area).
> Also would like to see if local crew could hear each other.
>
> The more the merrier!
>
> Ron - N1ZSW
>

Date: Thu, 7 Jun 2001 09:11:41 -0500
From: "Dan Wanchic" <wa8vzq@cloudnet.com>
To: <qrp-l@lehigh.edu>
Subject: [99575] mini review of KD1JV's wattmeter kit
Message-ID: <003701c0ef5c$12b73480$31f2ddcc@MBDJW493.agl.faa.gov>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Gang,

I sent this intial message to Steve yesterday....I recently
completed building one of his digital wattmeter kits....

Just for fun, hooked it up to an HP8920A comm test set here @ work via test leads....the 8920A's calibration just checked by AT&T mobile cal team last week....

+9.9 dBm on the 8920 reads 10 mW on your meter...ran from 1 MHz to about 47 MHz before I had a 3 dB change in reading....no more than 1 mW change across the entire HF band! similar results +/- with an HP 8640B and IFR 2947....all just out of cal also....when I adjust the 8640B for 100 mW on your meter...I read +20 dBm on the 8640 output meter ;-))

Suspect that when I get it into a real metal box with a bnc connector for input, the usable bandwidth will be much wider....again, my set up today was via twisted wire test leads....

Is going to be a great addition to my shack....great job Steve! Thanks....

Addendum

Today, I connected an N type connector to the wattmeter board

with 10 mW output from the 8920A, I was able to measure 10 mW +/- 2 mW from 1 MHz to about 200 MHz....

with 50 mW output, the measured variation was wider....65 mW to 37 mW across the same freq range....

with 100 mW (from an 8640B) 1 mesured 100 mW +/- 0 mW from 1 MHz to 30 MHz and 96 mW to 57 mW from 50 MHz to 200 MHz....

For the record, the output level accuracy of the 8920A is +/- 1.8 dB and typically +/- 1.0 dB....the power measurement accuracy is +/- 10% of reading +/- 1 mW....it costs about $11K....similar spec's appy to the other units

---

Bottom line....this wattmeter is a real gem for $60.00

Regards

Dan
St. Cloud, MN

Date: Thu, 7 Jun 2001 16:21:06 +0200
From: "Ingo DK3RED" <dk3red@t-online.de>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [99576] Re: Battery capacity for backpacking operation
Message-ID: <01c301c0ef5d$32ef1460$109101d9@ingo>

Hello Mark,

> Does anyone have an experiences that would indicate whether or not I
am
> going to have enough power for the trip?

I think in the run between weight and capacity the flat batteries (?)
will win. 3 batteries in a set. Each with 4,5V, more than 2.7Ah and
150g. I don't the right name for this batteries. It looks like 3 AA
batteries in a case with flat contacts on it.
A German ham (Tom, DL5ARI) had make a trip with a SST transceiver
(30mA/300mA) for 2 weeks through OX and was on air for 2 hours per day
with it.

72 de Ingo, DK3RED

E-Mail: dk3red@qsl.net - Homepage: www.qsl.net/dk3red

Date: Thu, 7 Jun 2001 10:36:13 EDT
From: Davewb4@aol.com
To: qrp-l@lehigh.edu
Subject: [99577] Package for KD1JV wattmeter kit
Message-ID: <d6.781b542.2850eb5d@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Gang:
If you haven't packaged the wattmeter yet you might want to look at the Jamco meter
case on page 110 of there catalogue. (part # 138974) the cutout is perfect for the display and also room for an analog meter. I have a scanned shot of my completed meter it you want to see it. By the way ...its just a great kit.
73
Dave Rogers
WB4CHK
Plantation FL

Date: Thu, 7 Jun 2001 10:46:59 EDT
From: K4IA@aol.com
To: ekdave@earthlink.net
Cc: qrp-l@lehigh.edu
Subject: [99578] Re: G5RV Balun Use Question
Message-ID: <9.169a322d.2850ede3@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

According to Varney's article in Volume I of the ARRL Antenna Compendium a balun is a bad idea "because of the highly reactive load it would see at the base of the matching or make-up section on most HF bands." Baluns heat up and lose a lot of power when presented with such a load.

"Experiments were conducted to determine the importance of unbalance effects caused by the direct connection of coaxial feeder to the base of the matching section. There was a rather surprising result." Currents were virtually identical on the outer and inner conductor. "There is therefore, no need to provide an unbalanced to balanced device at this junction when using a coaxial feeder."

Varney does suggest a coaxial cable RF choke at the base of the matching section by winding 8 to 10 turns of coax about 6 inches in diameter. I believe the "modern" G5RV is using a ferrite bead RF choke at the base.

The antenna does need a matching network because the SWR will be high on all but 20 meters. I don't know if the K2 tuner can handle it.

Radio K4IA
Craig Buck
Fredericksburg, Virginia USA
QRP ARCI #2550 FISTS #6702 CC 788
K1 #470

Date: Thu, 07 Jun 2001 07:43:50 -0700
From: "David B. Rogers" <dr7zyq@nidlink.com>
To: unlisted-recipients:; (no To-header on input)
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [99579] Re: Pink Noise Generator
Message-ID: <3B1F9326.28471AB6@nidlink.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

White noise is grating and irritating. Pink noise is
calming and soothing -- one reason for generating it. E.g.,
static is white noise -- the sound of rain or a babbling
brooke or an ocean wave is pink noise.

At least, that's what I understand.

David, WA7ZYQ

Jim Gelbort wrote:
>
> Brian,
>
> I'll take a stab at your question.
> Disclaimer: strictly a layperson's understanding being expressed here.
>
> White noise is WIDEBAND energy of random frequency and amplitude.
> Pink noise is NARROWBAND or weighted towards a certain range but random
> within the specified/desired band of frequencies.
>
> Beats me why one might be used over the other; but I can imagine that an
> audio engineer would not need RF noise.
>
> Hope this helps,
> Jim N9WW
>
> ----- Original Message -----
> From: Brian <bmurrey@amexol.net>

> To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
> Sent: Thursday, June 07, 2001 7:11 AM
> Subject: Re: Pink Noise Generator
>
> > Excuse the obvious rookie question here...but what, pray tell, is pink
> noise
> > and how does it compare to white noise? What do we use pink noise for?
> >
> > Thanks
> >
> > ==
> > KB9BVN/QRP - New Whiteland IN - EM69WN
> > QRP-ARCI #10223 QRP-L #1540 FIST #5695
> >   FISTS CC #764 - Proud Member ARRL
> > TEN TEC SCOUT @ 5W or NORCAL 40A @ 1.3W
> >   INTO INFAMOUS AF4PS ATTIC DIPOLE
> >   SOC #400 AND FLYING PIGS QRP #-57
> > ==
> >
> > ----- Original Message -----
> > From: "Richard Kendrick" <n7nt@qwest.net>
> > To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
> > Sent: Wednesday, June 06, 2001 11:50 PM
> > Subject: Re: Pink Noise Generator
> > >
> > >
> > > Rich,
> > >
> > > The part you're looking for is an MM5837. It's actually a white noise
> > > generator and requires a filter to massage it to pink noise. If you need
> > > more details, I can scan the page from National's Audio Handbook that
> > > has a complete schematic and matching textual information and email it
> > > to you. Not sure about a source, maybe Jameco, Digikey, or Mouser.
> > >
> > > 73 Richard N7NT
> > >
> > >
> > >

--
"It's a damned poor mind that can only think of one way to
spell a word."
                        Andrew Jackson

Date: Thu, 7 Jun 2001 09:46:35 -0500
From: "Mike Malone" <mmalone@worldlogon.com>

To: <K4IA@aol.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [99580] Re: G5RV Balun Use Question
Message-ID: <001201c0ef60$a736a8d0$4800000a@nationwiswqrjt>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Does anyone have any experience with the K2 auto tuner and G5RV? I am using a MFJ 949E with mine with no problems but am planning on adding the auto tuner so I would like to hear what others experiences have been.
KD5KXF Mike

> The antenna does need a matching network because the SWR will be high on all
> but 20 meters. I don't know if the K2 tuner can handle it.
>
> Radio K4IA

Date: Thu, 7 Jun 2001 08:54:24 -0600
From: "Bruce Kizerian" <kizerian@ced.utah.edu>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [99581] Re: Pink Noise Generator
Message-ID: <0d6801c0ef61$be99f1c0$316b6e80@ced.utah.edu>

Whie noise has equal energy at all frequencies. Pink noise has equal energy per octave. A flyer from Atlas Sound at http://www.jwd.com/pdf/gpn1200a.pdf shows a graph of the two which may make it easier to understand.

Hope this helps

Bruce kk7zz

Date: Thu, 7 Jun 2001 08:19:50 -0700 (PDT)
From: Bob cutter <ki0g@yahoo.com>
To: qrp-l@Lehigh.EDU
Subject: [99582] 11-2-10 FS
Message-ID: <20010607151950.346.qmail@web3102.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

25.00 plus shipping.

72, Bob KI0G

Date: Thu, 7 Jun 2001 09:22:17 -0600
From: "Jerry McCollom W0MC" <w0mc@club-pre.org>
To: <qrp-l@lehigh.edu>
Subject: [99583] OT: Save BBC Coalition
Message-ID: <00f901c0ef65$a41133a0$abff999c@fcjmc6748l>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Since the cessation of North American BBC broadcasts was discussed recently
here on QRP-L, earlier, I thought I'd forward this URL for an organization
trying to convince the BBC to change their minds:

        http://www.savebbc.org

FYI...

73,

Jerry
W0MC
*** SuperFest 2001 -- http://www.qsl.net/n0rc/hamfest -- Be There! ***

Date: Thu, 07 Jun 2001 10:29:48 -0500
From: Mark Hooper <mark.hooper@usa.alcatel.com>
To: "Discussion, Low Power Amateur Radio" <qrp-l@Lehigh.EDU>
Subject: [99584] Warbler order???
Message-ID: <3B1F9DEC.3E5F6972@usa.alcatel.com>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Does any one know the status of 'tail end' warbler orders? A friend
has an order pending and it's well past the 2-4 weeks delivery promised
on the web page. He is getting anxious, a word on status would be
helpful.

Mark Hooper, N5WEB

Date: Thu, 7 Jun 2001 10:23:44 -0500
From: "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>
To: "'Davewb4@aol.com'" <Davewb4@aol.com>, Low Power Amateur Radio Discussion
<qrp-l@lehigh.edu>
Subject: [99585] RE: Package for KD1JV wattmeter kit
Message-ID:
<E78D8A9D6762D411B5440008C791D4AA04A49BAF@dfwex03.allegiancetelecom.com>
MIME-Version: 1.0
Content-Type: text/plain

Well..... what's your URL link, Dave?

Karl K - W8TIF

> -----Original Message-----
> From: Davewb4@aol.com [SMTP:Davewb4@aol.com]
> Sent: Thursday, June 07, 2001 9:36 AM
> To: Low Power Amateur Radio Discussion
> Subject: Package for KD1JV wattmeter kit
>
> Gang:
> If you haven't packaged the wattmeter yet you might want to look at the
> Jamco
> meter
> case on page 110 of there catalogue. (part # 138974) the cutout is
> perfect
> for the display and also room for an analog meter. I have a scanned shot
> of
> my completed meter it you want to see it. By the way ...its just a great
> kit.
> 73
> Dave Rogers
> WB4CHK
> Plantation FL

Date: Thu, 7 Jun 2001 10:28:21 -0500
From: "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>
To: "'dr7zyq@nidlink.com'" <dr7zyq@nidlink.com>, Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [99586] Pink Noise versus White Noise
Message-ID: <E78D8A9D6762D411B5440008C791D4AA04A49BB0@dfwex03.allegiancetelecom.com>
MIME-Version: 1.0
Content-Type: text/plain

I believe you'll find that "pink" noise is broadband noise that is limited to the *audible* spectrum (that is, about 10 Hz to 20 kHz) and may or may not be Gaussian distributed across that spectrum.

On the other hand, *true* white noise is not bandwidth limited and is usually Gaussian distributed across its spectrum bandwidth (various white noise generators produce different bandwidths, both in terms of lower and upper frequencies).

Karl K - W8TIF
McKinney, Texas

> -----Original Message-----
> From: David B. Rogers [SMTP:dr7zyq@nidlink.com]
> Sent: Thursday, June 07, 2001 9:44 AM
> To: Low Power Amateur Radio Discussion
> Subject: Re: Pink Noise Generator
>
>
>
> White noise is grating and irritating. Pink noise is
> calming and soothing -- one reason for generating it. E.g.,
> static is white noise -- the sound of rain or a babbling
> brooke or an ocean wave is pink noise.
>
> At least, that's what I understand.
>
> David, WA7ZYQ
>
>
> Jim Gelbort wrote:
> >
> > Brian,
> >
> > I'll take a stab at your question.
> > Disclaimer: strictly a layperson's understanding being expressed here.
> >

> > White noise is WIDEBAND energy of random frequency and amplitude.
> > Pink noise is NARROWBAND or weighted towards a certain range but random
> > within the specified/desired band of frequencies.
> >
> > Beats me why one might be used over the other; but I can imagine that an
> > audio engineer would not need RF noise.
> >
> > Hope this helps,
> > Jim N9WW
> <snip>

Date: Thu, 7 Jun 2001 10:29:28 -0500
From: "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>
To: "'kizerian@ced.utah.edu'" <kizerian@ced.utah.edu>, Low Power Amateur Radio
Discussion <qrp-l@lehigh.edu>
Subject: [99587] RE: Pink Noise Generator
Message-ID:
<E78D8A9D6762D411B5440008C791D4AA04A49BB1@dfwex03.allegiancetelecom.com>
MIME-Version: 1.0
Content-Type: text/plain

Well now, there you go, guys! A far better explanation than mine!

Karl K - W8TIF
McKinney, Texas

> -----Original Message-----
> From: Bruce Kizerian [SMTP:kizerian@ced.utah.edu]
> Sent: Thursday, June 07, 2001 9:54 AM
> To: Low Power Amateur Radio Discussion
> Subject: Re: Pink Noise Generator
>
> Whie noise has equal energy at all frequencies. Pink noise has equal
> energy
> per octave. A flyer from Atlas Sound at
> http://www.jwd.com/pdf/gpn1200a.pdf
> shows a graph of the two which may make it easier to understand.
>
> Hope this helps
>
> Bruce kk7zz
>

Date: Thu, 7 Jun 2001 08:36:52 -0700

From: <schoon@amgt.com>
To: <qrp-l@Lehigh.EDU>
Subject: [99588] Comments on Running Ladder Line Through Walls
Message-ID: <c=US%a=_%p=American_Geotech%l=AG-CALCITE-BDC-010607153652Z-425@ag-basalt-pxy.amgt.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Good Morning!!

I have the space for a large horizontal loop - something like 1wl on 80 or so large and am planning on feeding it with about 100' or so of ladder line. My question is what's the best way to feed it through a stucco/chicken wire wall?? I was thinking of cutting a small square in the wall, a pair of binding posts mounted to an aluminum plate and I would be set. Then I got to thinking about putting a 4:1 balun outside the wall and feed it with a short length of RG-213 back to the tuner.... The latter is much easier than the former, but is there a benefit to using the balun that's built in to the tuner?? Any comments most welcome!

Thanks & 72,

.mark

Programmers are just machines for turning coffee into code.

Date: Thu, 7 Jun 2001 08:38:25 -0700
From: "JOE PARISELLA" <parisella@earthlink.net>
To: <qrp-l@lehigh.EDU>
Subject: [99589] cheap coax
Message-ID: <01c0ef67$e42b8060$8a87b3d1@a>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

New RG-58U 50ft with molded BNC at each end, $20.00 shipped. 2 for 35 shipped.
parisella@earthlink.net

Date: Thu, 7 Jun 2001 11:44:47 -0400
From: ed.kwik@delphiauto.com
To: qrp-l@Lehigh.EDU
Subject: [99590] FD Laptop power suggestions
Message-ID: <05256A64.0056A554.00@notes.delphiauto.com>
Mime-Version: 1.0
Content-type: text/plain; charset=us-ascii
Content-Disposition: inline

Looking for tried and true suggestions on how to power my laptop for Field Day. It is a IBM Thinkpad that has 20 volts DC input. Its power cube is rated for 3 amps. I can run it for a few hours on the internal battery but it will not last long enough to go all the way. We will not have any generators or other AC sources. What I do have:

3 7AH gel cells
1 4AH gel cell
1 Die Hard auto battery
1 12 volt 80ma solar panel
1 Auto battery in the truck that I will be driving to the site.
1 SWL40+
1 NC20
1 Ten Tec Triton IV

Thanks

Ed AB8DF

Date: Thu, 7 Jun 2001 11:47:20 EDT
From: J38AL@aol.com
To: qrp-l@lehigh.edu
Subject: [99591] Re: Package for KD1JV wattmeter kit
Message-ID: <61.ed4310c.2850fc08@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I enjoyed building the kit and it worked perfect first time. I put a meter in the back of the case too. I took a few pictures of mine with a Sony digital camera and uploaded them. I would be interested in knowing how the pics turned out - if you can view them that is :-) They are at the following addresses;

http://members.aol.com/cwn2zhs/front

http://members.aol.com/cwn2zhs/back

http://members.aol.com/cwn2zhs/board

Thanks for looking,

73, Al N2ZHS
Scotia, NY

Date: Thu, 7 Jun 2001 11:47:18 -0400
From: "Lau, Zack, W1VT" <zlau@arrl.org>
To: "'qrp-l@Lehigh.EDU'" <qrp-l@Lehigh.EDU>
Subject: [99592] Re: Toroidal IF Transformers
Message-ID: <125490A005E3D3118C9C00805FC743CC016B9EC4@KAHLESS>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"

Type 67 ferrite material is very low loss at HF--I recall Qs over 400 with
reasonably sized cores. Temperature stability is inversely related to
permeability.
--Zack W1VT

Date: Thu, 07 Jun 2001 10:59:48 -0500
From: "Ed Manuel (N5EM)" <n5em@flash.net>
To: qrp-l@lehigh.edu
Subject: [99593] Re: Comments on Running Ladder Line Through Walls
Message-ID: <4.3.2.7.2.20010607105547.00b9a4e0@pop.flash.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Got a window? Open the window, cut a piece of plexiglass to fit the
opening - maybe 3 inches high by the total width of the window. You can
make the insert actually two pieces of plexiglass that overlap in the
middle with a slot in both pieces so you can use a couple of screws to
slide the pieces into the tracks on either side of the window. Use some
foam weatherstripping on all four sides of the plexiglass to seal the
opening for air and bugs.

Put some small screws in the window for security after you get it all
fitting like you like.

Then, you can use just about anything to feed the ladder line in. Couple
of brass bolts, washers, nuts - Binding Posts, etc. You can also
conveniently put BNC or UHF bulk head fead throughs for coaxial antennas, too.

Ed, N5EM

Date: Thu, 7 Jun 2001 09:07:42 -0700 (PDT)
From: Bob cutter <ki0g@yahoo.com>
To: qrp-l@Lehigh.EDU
Subject: [99594] QRP Quarterly sold
Message-ID: <20010607160742.22434.qmail@web3105.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Thank you all for your interest.

72, Bob KI0G

Date: Thu, 07 Jun 2001 16:32:35 +0000
From: Paul Kiciak <pkiciak@att.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [99595] Re: Pink Noise Generator
Message-ID: <3B1FACA3.41470439@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Pink noise is white noise rolled off at 6 dB per octave. The object at
audio frequencies is to have equal noise power in each octave.

73, Paul
---
http://home.att.net/~n2pk

Date: Thu, 7 Jun 2001 17:37:09 +0100 (GMT+01:00)
From: Tony Fishpool <tony@g4wif.fsnet.co.uk>
To: w0mc@club-pre.org, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [99596] Re: OT: Save BBC Coalition
Message-ID: <20010607163709.13730.qmail@fsmail.net>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Disposition: inline

This may not be widely known over in the "land of the free", but in the UK we are required to pay for an annual TV licence. The wife pays those sort of bills, but when I last took an interest in these things it was about 180 dollars. This is what funds the BBC. So if your petition to save U.S. BBC broadcasts increases my TV licence I will of course expect a few beers by way of compensation next time we visit :-)

72/3
Tony - G4WIF

----- Original Message -----
From: "Jerry McCollom W0MC" <w0mc@club-pre.org>

> I thought I'd forward this URL for an organization
> trying to convince the BBC to change their minds:
> http://www.savebbc.org

Date: Thu, 7 Jun 2001 12:29:08 -0400
From: "Lofstead, Jerry" <Jerry.Lofstead@itb.mckhboc.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [99597] RE: Comments on Running Ladder Line Through Walls
Message-ID: <078F21595FA7D411B87B00805FA728E64A4822@atlexc02ntms.hboc.com>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"

One better, I just opened my window, inserted the ladder line, and then closed window. No modifications to the house 8-).

I assume you are aware of the fact that you, under no circumstances, want to get water behind the stucco. If you break the surface, make real sure you have it sealed very well or it will cost you a fortune in repair later.

Jerry
w3CDE

-----Original Message-----
From: Ed Manuel (N5EM) [mailto:n5em@flash.net]
Sent: Thursday, June 07, 2001 12:00 PM
To: Low Power Amateur Radio Discussion
Subject: Re: Comments on Running Ladder Line Through Walls

Got a window? Open the window, cut a piece of plexiglass to fit the opening - maybe 3 inches high by the total width of the window. You can make the insert actually two pieces of plexiglass that overlap in the middle with a slot in both pieces so you can use a couple of screws to slide the pieces into the tracks on either side of the window. Use some foam weatherstripping on all four sides of the plexiglass to seal the opening for air and bugs.

Put some small screws in the window for security after you get it all fitting like you like.

Then, you can use just about anything to feed the ladder line in. Couple of brass bolts, washers, nuts - Binding Posts, etc. You can also conveniently put BNC or UHF bulk head fead throughs for coaxial antennas, too.

Ed, N5EM

Date: Thu, 7 Jun 2001 09:45:10 -0700 (PDT)
From: Curt Milton <wb8yyy@yahoo.com>
To: lhlousek@nvbell.net, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [99598] Re: Ten Tec 1208
Message-ID: <20010607164510.38994.qmail@web9606.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Traditional transverters need very low drive levels on

the order of 10 milliwatts more/less to drive the
mixer - the 1208 and 1210 are designed with
attenuators to handle 2-4 watt drive levels, so the
new firmware should not being a big advantage (unless
of course you op to build the 1208 without the
attenuator!).

the 1208 does require the user to optimize the
transmit drive level (too little = less power out,
too much = distortion!

the 1210 includes a leveling loop - so just feed it
with 1-10 watts and it will set the drive level! its
more forgiving.

displaying the proper freq does remind you want band
you are on, but converting 14.125 to 50.125 and 28.200
to 144.200 is not too hard for me to do in my head!
but someone will enjoy the feature.

curt wb8yyy

--- Louis Hlousek <lhlousek@nvbell.net> wrote:
> Hi Joe,
>
> I have a 1208 under construction for use with my K2.
> Eric Swartz
> (Elecraft) recommended it and uses one with his K2.
> The new rev 2.0 K2
> software has support for transverters (power limit
> and correct frequency
> display).
>
> Lou W7DZN
>

Date: Thu, 7 Jun 2001 11:39:22 -0500
From: "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>
To: "'tony@g4wif.fsnet.co.uk'" <tony@g4wif.fsnet.co.uk>, Low Power Amateur Radio
Discussion <qrp-l@lehigh.edu>

Subject: [99599] Save BBC Coalition & Telly Taxes
Message-ID:
<E78D8A9D6762D411B5440008C791D4AA04A49BB5@dfwex03.allegiancetelecom.com>
MIME-Version: 1.0
Content-Type: text/plain

Ohmygawd, Tony! When I lived in the U.K (1967-1974), the TV license tax was
only
five (5) Pounds Sterling! At the time, the ratio was about US$2.45 to a
Pound, so it
wasn't much (I thought).

Now, at US$180, I think if I went back to the U.K., I'd just spend my time
in a pub
watching *their* telly!

Karl K - W8TIF
McKinney, Texas

> -----Original Message-----
> From: Tony Fishpool [SMTP:tony@g4wif.fsnet.co.uk]
> Sent: Thursday, June 07, 2001 11:37 AM
> To: Low Power Amateur Radio Discussion
> Subject: Re: OT: Save BBC Coalition
>
> This may not be widely known over in the "land of the free", but in the UK
> we are required to pay for an annual TV licence. The wife pays those sort
> of bills, but when I last took an interest in these things it was about
> 180 dollars. This is what funds the BBC. So if your petition to save U.S.
> BBC broadcasts increases my TV licence I will of course expect a few beers
> by way of compensation next time we visit :-)
>
> 72/3
> Tony - G4WIF
>
> ----- Original Message -----
> From: "Jerry McCollom W0MC" <w0mc@club-pre.org>
>
> > I thought I'd forward this URL for an organization
> > trying to convince the BBC to change their minds:
> > http://www.savebbc.org
>
>
>
> ____
> Freeserve - get your free ISP service including web-mail at:
> www.freeserve.co.uk
>

>
>

Date: Thu, 07 Jun 2001 09:50:53 -0700
From: Phil Wheeler <w7ox@earthlink.net>
To: tony@g4wif.fsnet.co.uk
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [99600] Re: OT: Save BBC Coalition
Message-ID: <3B1FB0ED.82983155@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Tony Fishpool wrote:
>
> This may not be widely known over in the "land of the free", but in the UK we are required to pay for an annual TV licence. The wife pays those sort of bills, but when I last took an interest in these things it was about 180 dollars. This is what funds the BBC. So if your petition to save U.S. BBC broadcasts increases my TV licence I will of course expect a few beers by way of compensation next time we visit :-)
>

Hmmm .. sounds like we should be buying your wife a case of beer, Tony
:-;

Phil W7OX

Date: Thu, 7 Jun 2001 12:30:37 +0000
From: "Steven Weber" <kd1jv@moose.ncia.net>
To: qrp-l@lehigh.edu
Subject: [99601] New KD1JV homepage
Message-ID: <200106071702.f57H2UL19638@wolf.ncia.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Hi Gang,

I went and signed up for a spot on qsl.net and finally figured out
how to ftp the files up there. This page has both a photo of the
20<=>6 transverter and a short circuit discription. Also is a photo

of the digital rms power meter. Check it out:-)

http://www.qsl.qsl.net/kd1jv/index.html

72,
Steve, KD1JV in the White Mountains of New Hampshire
"Melt Solder"
http://www.poniatowski.com/kd1jv/kd1jv.htm
http://www.qsl.net/kd1jv/index.html

Date: Thu, 7 Jun 2001 11:10:32 -0600
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: bmurrey@amexol.net, qrp-l@lehigh.edu
Subject: [99602] Re: Pink Noise Generator
Message-ID: <3B1F6128.29442.7A4B04@localhost>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

>>What do we use pink noise for?
<<

Haven't seen that one answered yet [g]. It's used in testing audio systems and especially "stereo" speakers. If you have a surround sound system you might well find a "test" button which will send pink noise to each of the speakers or pairs in turn so that you can balance them.

It can also be used as a noise cancelling device. There's a Velleman pink noise generator kit K4301, 14.95 at http://www.radioshack.com. I built one and added an audio amp for use as noise cancelling when someone's trying to sleep during the day. Works pretty well.
Marshall Emm, N1FN
Milestone Technologies, Inc.
(303) 752-3382
http://www.mtechnologies.com

Date: Thu, 7 Jun 2001 13:12:00 -0400
From: "K3NG" <k3ng@fast.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [99603] Re: OT: Save BBC Coalition
Message-ID: <004601c0ef74$f7002300$3c1c5cd1@itg1>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

You should organize a group of people, seize a ship that has TVs, and toss them overboard. It worked for us in 1773 when they tried to implement that tea tax....

:)

72
Goody
K3NG

----- Original Message -----
From: "Tony Fishpool" <tony@g4wif.fsnet.co.uk>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Thursday, June 07, 2001 12:37
Subject: Re: OT: Save BBC Coalition

> This may not be widely known over in the "land of the free", but in the UK we are required to pay for an annual TV licence. The wife pays those sort of bills, but when I last took an interest in these things it was about 180 dollars. This is what funds the BBC. So if your petition to save U.S. BBC broadcasts increases my TV licence I will of course expect a few beers by way of compensation next time we visit :-)
>
> 72/3
> Tony - G4WIF
>
> ----- Original Message -----
> From: "Jerry McCollom W0MC" <w0mc@club-pre.org>
>
> > I thought I'd forward this URL for an organization
> > trying to convince the BBC to change their minds:
> > http://www.savebbc.org
>
>
>
> _____
> Freeserve - get your free ISP service including web-mail at:
> www.freeserve.co.uk
>
>
>
>
>

Date: Thu, 7 Jun 2001 12:12:25 -0500
From: Harris Keith E CONT CNIN <harris_k@crane.navy.mil>
To: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>
Subject: [99604] Re: OT: Save BBC Coalition
Message-ID: <4F76B3D4A76AD111803B00A0C9893D9C06ED8D98@cninexchsrv05>
MIME-Version: 1.0
Content-Type: text/plain

Phil,
    You may have hit on something here. Sounds like a really good reason for going to the local to me. A pint or two of bitter should make those yank imports go down a little better. I agree, when I was there in '74 and '75 the price was real reasonable. Of course, in Germany we GI's didn't have to pay the TV Tax. I wouldn't mind having one of their vans they used to check on who had paid and who hadn't. It would probably make a great fox hunt vehicle. Come to think of it, I used the mountain climber's logic. I went because it was there.

73 de N9KH

Date: Thu, 7 Jun 2001 12:15:57 -0500
From: "Jim Gelbort" <jamesgelbort@worldnet.att.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [99605] Re: Pink Noise Generator
Message-ID: <005f01c0ef75$852e73c0$6500a8c0@mel>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thanks for straightening me out on this;
it actually makes sense now!

Jim N9WW

----- Original Message -----
From: Kanalz, Karl <Karl.Kanalz@allegiancetelecom.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Thursday, June 07, 2001 10:29 AM
Subject: RE: Pink Noise Generator

> Well now, there you go, guys! A far better explanation than mine!

>
> Karl K - W8TIF
> McKinney, Texas
>
> > -----Original Message-----
> > From: Bruce Kizerian [SMTP:kizerian@ced.utah.edu]
> > Sent: Thursday, June 07, 2001 9:54 AM
> > To: Low Power Amateur Radio Discussion
> > Subject: Re: Pink Noise Generator
> >
> > Whie noise has equal energy at all frequencies. Pink noise has equal
> > energy
> > per octave. A flyer from Atlas Sound at
> > http://www.jwd.com/pdf/gpn1200a.pdf
> > shows a graph of the two which may make it easier to understand.
> >
> > Hope this helps
> >
> > Bruce kk7zz
> >

Date: Thu, 07 Jun 2001 10:15:35 -0700
From: Phil Wheeler <w7ox@earthlink.net>
To: kd1jv@moose.ncia.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [99606] Re: New KD1JV homepage
Message-ID: <3B1FB6B7.B7309098@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Steven Weber wrote:
>
> Hi Gang,
>
> I went and signed up for a spot on qsl.net and finally figured out
> how to ftp the files up there. This page has both a photo of the
> 20<=>6 transverter and a short circuit discription. Also is a photo
> of the digital rms power meter. Check it out:-)
>
> http://www.qsl.qsl.net/kd1jv/index.html
>

Steve, an extra qsl. in this I think.

Phil W7OX

Date: Thu, 7 Jun 2001 13:06:39 -0400
From: "Lofstead, Jerry" <Jerry.Lofstead@itb.mckhboc.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [99607] RE: OT: Save BBC Coalition
Message-ID: <078F21595FA7D411B87B00805FA728E64A4825@atlexc02ntms.hboc.com>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"

Tony,

I have enjoyed the many pounds sterling that your wife has paid on our behalf, so I could listen to the BBC SW radio. Maybe you could convince the BBC to do a little commercial advertising... I was originally shocked, when I found out many years ago, about your need to pay a license fee for a regular AM broad cast band radio. I guess they have a captive audience 8-(who has to pay if you are using it or not. I have to admit I do like the free enterprise way we have it over here.

Jerry
W3CDE

-----Original Message-----
From: Tony Fishpool [mailto:tony@g4wif.fsnet.co.uk]
Sent: Thursday, June 07, 2001 12:37 PM
To: Low Power Amateur Radio Discussion
Subject: Re: OT: Save BBC Coalition

This may not be widely known over in the "land of the free", but in the UK we are required to pay for an annual TV licence. The wife pays those sort of bills, but when I last took an interest in these things it was about 180 dollars. This is what funds the BBC. So if your petition to save U.S. BBC broadcasts increases my TV licence I will of course expect a few beers by way of compensation next time we visit :-)

72/3
Tony - G4WIF

----- Original Message -----
From: "Jerry McCollom W0MC" <w0mc@club-pre.org>

> I thought I'd forward this URL for an organization
> trying to convince the BBC to change their minds:
> http://www.savebbc.org

Date: Thu, 07 Jun 2001 13:22:28 -0400
From: Fran Flynn <fflynn@adelphia.net>
To: qrp-l Discussion <qrp-l@Lehigh.EDU>
Subject: [99608] Re: SLA charger
Message-ID: <3B1FB854.3B2150CC@adelphia.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Oh yeah, thanks. It's a general purpose PNP silicon. I used a
2SA1015 out of my junk box. I'll add that along with a parts
placement diagram when I get a chance. It was getting late last
night. I'm no engineer, just an old hardware hacker.

Glen Hazen wrote:
>
> fran: thanks for schematic. you engineers really help the other types!! note
> that one tranistor is not identified. thanks again. glen, n8we
> Glen Hazen
> ghazen@praxsoft.com
> Sales Manager
> Praxis Software
> www.praxsoft.com
> (937) 435-8871

Date: Thu, 7 Jun 2001 13:20:48 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <k3ng@fast.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [99609] Re: OT: Save BBC Coalition
Message-ID: <001f01c0ef76$34a6cd20$4206d10a@endpoints.com>
MIME-Version: 1.0

Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Naw...

The 'correct' response here on this side of the pond would be
to seize the guys in the vans and throw THEM in the water.

And their vans...

Seriously, it could get like that here. I was on the local Cable
Advisory Board a while back, and there was noise that a certain
Boston channel wanted to force the town to pay a 'per user'
fee for everyone to receive 'their' channel over cable.

It never became formal while I was there, but I responded with
SURE, but then we 'block' all commercials in the town on
that channel and sell our own time...

Or we begin a petition with the FCC to have our town removed
from their 'coverage area' and reassigned to the station in a
neighboring state. (We could receive that station anyway with
just rabbit ears, but the Boston station was not receivable
without a high antenna or cable.)

We still have to deal with a 'not-so-local' Boston channel
insisting on blackouts all the time from the neighboring station.

It stinks. Free market should prevail. The town doesn't have
an 'exclusive' contract with the cable company, so why the
heck should the FCC have the right to assign exclusive
coverage to a station that we can't receive under most
circumstances anyway?

Mike

> You should organize a group of people, seize a ship that has TVs, and toss
> them overboard. It worked for us in 1773 when they tried to implement
that
> tea tax....
>
> K3NG

Date: Thu, 7 Jun 2001 12:17:44 -0500
From: "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>
To: "'Jerry.Lofstead@itb.mckhboc.com'" <Jerry.Lofstead@itb.mckhboc.com>, Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [99610] U.K. TV and Radio Taxes
Message-ID:
<E78D8A9D6762D411B5440008C791D4AA04A49BB8@dfwex03.allegiancetelecom.com>
MIME-Version: 1.0
Content-Type: text/plain

Not only "regular AM broadcast radio", Jerry, but as I recall,
you *also* had to pay a radio receiver tax for *the broadcast
receiver in your automobile* !! I wonder if anyone ever did?
(I know I, for one, didn't!)

Karl K - W8TIF
(ex- G5AGX)
McKinney, Texas

> -----Original Message-----
> From: Lofstead, Jerry [SMTP:Jerry.Lofstead@itb.mckhboc.com]
> Sent: Thursday, June 07, 2001 12:07 PM
> To: Low Power Amateur Radio Discussion
> Subject: RE: OT: Save BBC Coalition
>
> Tony,
>
> I have enjoyed the many pounds sterling that your wife has paid on our
> behalf, so I could listen to the BBC SW radio. Maybe you could convince
> the
> BBC to do a little commercial advertising...   I was originally shocked,
> when I found out many years ago, about your need to pay a license fee for
> a
> regular AM broad cast band radio. I guess they have a captive audience
> 8-(
> who has to pay if you are using it or not. I have to admit I do like the
> free enterprise way we have it over here.
>
> Jerry
> W3CDE
> <snip>

Date: Thu, 07 Jun 2001 10:37:00 -0700
From: Louis Hlousek <lhlousek@nvbell.net>
To: Curt Milton <wb8yyy@yahoo.com>, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [99611] Re: Ten Tec 1208
Message-ID: <003601c0ef78$7511f900$650dfea9@0016297931>
MIME-version: 1.0
Content-type: text/plain; charset="iso-8859-1"
Content-transfer-encoding: 7bit

Hi Curt,

<<new (K2) firmware should not be a big advantage (unless
of course you op to build the 1208 without the
attenuator!).>>

The new K2 firmware, as I understand it, allows you to set a power limit (like 5 W for instance) to minimize accidentally overdriving a transverter (like hitting the 1208 with 12 Watts). I don't believe it provides for QRPp power level settings beyond what's already available. It also includes an programmable offset so that you can calibrate the displayed frequency to compensate for a transverter LO that may be a little off. These may be just niceties but they are nice niceties.

BTW, there are many other benefits to the new firmware such as; support for the IO option, much much better PLL calibration that greatly improves VFO accuracy over the full range of operation, support for the (heaven forbid) QRO option, one touch contest memory keyer, etc...

Lou W7DZN

Date: Thu, 07 Jun 2001 10:44:34 -0700
From: Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>
To: Elecraft mail list <elecraft@qth.net>
Cc: QRP-L <qrp-l@lehigh.edu>
Subject: [99612] Elecraft Mojo Maniacs at HamComm, TX this weekend
Message-ID: <3B1FBD82.1DBD893F@elecraft.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Len Carlson, K4IWL, and several 'Mojo Maniacs' will be showing off their Elecraft rigs and answering your questions at the HamCom Hamfest in Arlington TX this weekend. (This is an ARRL sanctioned major hamfest in Dallas / FT. Worth area.)

June 8th, 9th, and 10th
Booth #209

Look for the Elecraft banner.

Thanks Len!

73, Eric WA6HHQ
--
http://www.elecraft.com

Date: Thu, 7 Jun 2001 13:57:55 EDT
From: Qrpop@aol.com
To: qrp-l@lehigh.edu
Subject: [99613] K1 for sale
Message-ID: <d6.780e079.28511aa3@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

K1 For Sale
20 and 40 meters
condition: excellent ++
power cord, manual

reason for selling: upgrading

Please contact: W2IV@arrl.net

Tnx es 73 John W2IV

Date: Thu, 07 Jun 2001 14:04:30 -0400
From: John Wagner <john@neknetwork.com>
To: k7qo@earthlink.net, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [99614] Re: [MH101] T1 Question and an Answer
Message-ID: <3B1FC22E.2EDCD26@neknetwork.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Chuck (and QRP-L),

I'm sorry, I'm confused. I'm just missing something here.

Which pins from the NE602 in the first rcvr mixer connect to which pins
on T1? I think it should be pin 1 from the mixer to pin 1 of T1 and pin
2 of the mixer to pin 2 of T1. However, this part of your post:

> The "primary" is really pins 4 and 6 as Dave is using T1 to
> match 50 ohms in to 1500 ohms out to the NE602/NE612.
>
> The secondary of T1 is pins 1 and 2 in the original SW-30+.
> I checked this in the docs from Dave and this checks out.
> Look on page 10 at the PC board layout in the lower left
> corner.

is the part that has me thinking I've got it backwards.

73 and thanks again,

John, KB1ENS

"Chuck Adams, K7QO" wrote:
>
> Gang,
>
> I got an email about T1 which is one of the 42IF123's.
>
> The question came up as to which pins are the primary and
> the secondary.
>
> The "primary" is really pins 4 and 6 as Dave is using T1 to
> match 50 ohms in to 1500 ohms out to the NE602/NE612.
>
> The secondary of T1 is pins 1 and 2 in the original SW-30+.
> I checked this in the docs from Dave and this checks out.
> Look on page 10 at the PC board layout in the lower left
> corner.
>
> But someone needs to work on this before I get to it, but I
> think a better match would be pins 1 and 3 to get closer to
> the 1,500 ohm input of the NE602 mixer. I worked out a 5.5
> turn ratio for primary to secondary to match 50 ohms to 1500 ohms.
> This from the square root of the turn ratio. You might get a better
> match and a little more from the receiver by modifying this setup.
> I'll experiment later in the week (not much left) as my son is
> visiting and he goes back to Austin on Friday. I may be wrong
> on this as Dave doesn't make mistakes that I know of.....
>
> Note that in the schematic you have fewer turns shown on the primary
> side if you treat the input as coming into the "primary" of T1, thus you
> use the other side of the 42IF123 as the primary. We are just reversing
> the sense of the transformer in this case. When we get to the transmitter
> section and to T2 and T3 then you'll really get confused even further. :-)
>

> FYI
>
> P.S. Haven't put this on the web page yet. For ICs and transformers I use
> what I call the "Lunar Lander" configuration. I put pads on the four corners
> of the part and then glue the part in place. I then use either the leads of
> components or #26 wire to connect the pins to the rest of the circuit.
> In the case of the 42IF123s you can use pads on all 5 legs.
>
> I have examples of this in other parts of the Manhattan Building material.
>
> Chuck Adams, K7QO   CP-60
> Prescott, AZ   k7qo@earthlink.net http://www.qsl.net/k7qo
>
> TMPS-2001 Jan 12th -> April 15th, 2001   States = 49 DXCC = 15
>
> States Needed   AK DXCC --- K XE VE KH6 V73 HI3 FM5 OH3 C6 ZL1 CO8 ZS6 EA8
EA7 PJ ZL2
>
> Moving to Arizona?   --- Bring your own water.

--
John Wagner - john@neknetwork.com
Web page: http://www.neknetwork.com

Date: Thu, 7 Jun 2001 12:56:08 -0500
From: "Jay Bromley" <w5jay@alltel.net>
To: <jstai@home.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [99615] Re: The Complete DXer
Message-ID: <002001c0ef7b$580ae9e0$469b66a6@alltel.net>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I will be getting the new copy when it comes out!! Soooo------ Jeff after I
after I am finished reading it, are you interested????? Grin!

73 de jay..

>
> I concur with both pieces of advice.
>
> - jeff wk6i (who bought Jay's copy and was glad he did!)
>

> At 11:46 AM 6/6/01, Jay Bromley wrote:
> >Emulate K5ZTY in a QRP fox hunt and well as the other Houston hounds
while
> >looking for the book. Good operators down there!!
> >
> >73 de jay..
> >
> >> I'm looking to buy a copy of "The Complete DXer" by RC Locher. It's out
of
> >> print and Bill, K5ZTY, has highly recommended it.
> >>
> >> If you have it on a shelf gathering dust, it'll get some use in my
shack.
> >> Please reply off-list. Thanks!!!!
> >>
> >>
> >>
> >>
> >>
> >> ____
> >> Send a cool gift with your E-Card
> >> http://www.bluemountain.com/giftcenter/
> >>
> >>
> >>
>
> jeff stai
> radio stuff: WK6I in DM13
> rocket stuff: NAR #21059 TRA #3356 Level 2 Cert.
> email: jstai@home.com or wk6i@arrl.net
> ROC web page: http://www.rocstock.org/
> LDRS web page: http://www.ldrs20.org/
>
>

Date: Thu, 7 Jun 2001 12:12:40 -0600 (MDT)
From: "Paul Harden, NA5N" <na5n@rt66.com>
To: Tony Fishpool <tony@g4wif.fsnet.co.uk>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [99616] Re: OT: Save BBC Coalition
Message-ID: <Pine.SUN.4.10.10106071158170.7917-100000@shell.rt66.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 7 Jun 2001, Tony Fishpool wrote:
> it was about 180 dollars. This is what funds the BBC. So if your
> petition to save U.S. BBC broadcasts increases my TV licence I will
> of course expect a few beers by way of compensation next time we visit :-)

Tony,
Geez, us Yanks aren't THAT bad. Next time you're over here and want a beer ... just ASK for one! This lame excuse about TV tax compensation is totally unneccessary :-)

Seriously, I'm surprised it is that costly. And as one who listens and enjoys the BBC 2-3 times a week, I will miss it greatly. Pretty much just leaves listening to the BBC African Service on weekend days I guess.

72, Paul NA5N

"This is London. And now the news from the BBC World Service, read this hour by John Wycliff, at our studios in Bush House, London."

Date: Thu, 07 Jun 2001 11:12:26 -0700
From: Jeff Stai WK6I <jstai@home.com>
To: qrp-l@Lehigh.EDU
Subject: [99617] Re: The Complete DXer
Message-ID: <5.1.0.14.2.20010607111027.04c31ac0@mail>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

;-) Actually, I am tickled to hear that it will be revised! When and where will I be able to get the new one...?

thanks! - jeff wk6i

ps: Oh, I'll be supporting the author directly this time, but thanks anyway!

At 10:56 AM 6/7/01, you wrote:
>I will be getting the new copy when it comes out!! Soooo------ Jeff after I
>after I am finished reading it, are you interested????? Grin!
>
>73 de jay..
>
>

>
>>
>> I concur with both pieces of advice.
>>
>> - jeff wk6i (who bought Jay's copy and was glad he did!)
>>
>> At 11:46 AM 6/6/01, Jay Bromley wrote:
>> >Emulate K5ZTY in a QRP fox hunt and well as the other Houston hounds
>while
>> >looking for the book. Good operators down there!!
>> >
>> >73 de jay..
>> >
>> >> I'm looking to buy a copy of "The Complete DXer" by RC Locher. It's out
>of
>> >> print and Bill, K5ZTY, has highly recommended it.
>> >>
>> >> If you have it on a shelf gathering dust, it'll get some use in my
>shack.
>> >> Please reply off-list. Thanks!!!!
>> >>
>> >>
>> >>
>> >>
>> >>
>> >> ____
>> >> Send a cool gift with your E-Card
>> >> http://www.bluemountain.com/giftcenter/
>> >>
>> >>
>> >>
>>
>> jeff stai
>> radio stuff: WK6I in DM13
>> rocket stuff: NAR #21059 TRA #3356 Level 2 Cert.
>> email: jstai@home.com or wk6i@arrl.net
>> ROC web page: http://www.rocstock.org/
>> LDRS web page: http://www.ldrs20.org/
>>
>>

jeff stai
radio stuff: WK6I in DM13
rocket stuff: NAR #21059 TRA #3356 Level 2 Cert.
email: jstai@home.com or wk6i@arrl.net
ROC web page: http://www.rocstock.org/
LDRS web page: http://www.ldrs20.org/

Date: Thu, 7 Jun 2001 11:22:03 -0700 (PDT)
From: Stan Yarema <bg783@scn.org>
To: JOE PARISELLA <parisella@earthlink.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [99618] Re: cheap coax
Message-ID: <Pine.SUN.3.96.1010607111619.19522A-100000@scn>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

It doesn't sound that cheap. Radar Electric in Seattle has been selling
25 ft lengths of new RG58 with BNC at both ends for $2.99 for several
years. Or 10/$20. They seem to have an endless supply. Sorry, but I
don't think they handle mail orders.

72 ..... Stan, K7SY

On Thu, 7 Jun 2001, JOE PARISELLA wrote:

> New RG-58U 50ft with molded BNC at each end, $20.00 shipped. 2 for 35
> shipped.
> parisella@earthlink.net
>
>

Date: Thu, 07 Jun 2001 11:20:43 -0700
From: Russ Carpenter <russ@natworld.com>
To: QRP-L List <qrp-l@lehigh.edu>
Subject: [99619] Results of the JUNE SPARTAN SPRINT
Message-ID: <B745140B.8442%russ@natworld.com>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

The June Spartan Sprint gave hints of summertime conditions, with plenty of
stations reporting mellow weather for playing with radios, coupled with a
certain amount of noise from Mr. Thunderstorm. The heavy hitters showed,
once again, that five or fewer watts accomplish miracles.

Each contact received one point. If you didn't tell us the weight of your
station, or if it weighed more than one cubic centimeter of material at the
center of a black hole, we assigned a weight of 30 pounds.

The soapbox has been published separately in the June issue of The ARS Sojourner, which went live today. Don't miss it! http://www.natworld.com/ars

THE SKINNY DIVISION (results sorted in the order of points per pound)

Call	Name	80m	40m	20m	15m	10m	Total Points	Wt.	Points/ Pound
N7RVD	Brian	0	0	20	0	0	20	.22	90.91
K0EVZ	Doc	0	10	46	0	0	56	1.05	53.33
AD4J	Jim	0	0	25	0	0	25	.5	50.00
VE3SMA	Steve	0	10	0	0	0	10	.28	35.71
N2XE	John	0	0	27	0	0	27	.8	33.75
N9AW	Jerry	0	20	61	0	0	81	5	16.20
AC5K	Wes	0	0	26	0	0	26	2	13.00
N1EU	Barry	0	8	38	1	0	47	4.4	10.68
K4FB	Paul	0	0	38	0	0	38	4	9.50
K4MF	Gary	0	0	25	1	0	26	3.35	7.76
N3AO	Carter	0	14	30	0	0	44	6	7.33
AB0GO	Dave	0	0	20	0	0	20	3	6.67
KQ6NO	Rick	0	10	0	0	0	10	1.63	6.13
K6RXL	Kevin	0	0	14	0	0	14	2.3	6.09
AF4PP	Chuck	0	0	10	0	0	10	2	5.00
K4GT	Jim	0	0	15	0	0	15	3	5.00
W7WIK	Marco	0	13	0	0	0	13	2.8	4.64
W2QU	David	0	4	5	0	0	9	2	4.50
KB9LCK	Chris	0	5	13	0	0	18	4	4.50
AE6N	Jim	0	0	8	0	0	8	2	4.00
K5HWT	Morg	0	0	5	0	0	5	1.3	3.85
KO4WX	Mike	0	0	6	0	0	6	1.6	3.75
KI0II	Ron	0	0	20	1	0	21	6.1	3.44
N0TK	Dan	0	9	9	0	0	18	6	3.00
N4EJG	Ed	0	0	7	0	0	7	2.4	2.92
WA9TZE	Jim	9	29	38	0	0	76	30	2.53
KW4JS	John	0	15	4	0	0	19	8	2.38
N7LT	Lyndel	0	10	36	0	0	46	20	2.30
W4NJK	Charlie	0	4	1	0	0	5	3	1.67
W0UFO	Mert	0	2	22	0	0	24	15	1.60
KA8LLE	Ben	1	10	8	0	0	19	12	1.58
W2BVH	Lenny	0	4	3	0	0	7	7	1.00
KG8GW	Ron	1	12	16	0	0	29	30	0.97
W3ERU	Wes	0	7	14	0	0	21	30	0.70
K6PZB	John	0	9	11	0	0	20	30	0.67
W5RXP	Rich	0	0	2	0	0	2	3	0.67
N9KO	Cal	0	4	11	0	0	15	30	0.50
K6RPN	Doug	0	11	1	0	0	12	30	0.40
VE6QSL	John	0	5	6	0	0	11	30	0.37

AL7FS	Jim	0	0	10	0	0	10	30	0.33
VE6AAN	Pat	0	1	6	0	0	7	30	0.23
WD0DDU	Layne	0	0	5	0	0	5	30	0.17
W6AGS	Arthur	0	0	0	0	0	0	.75	0.00

Call	Name	80m	40m	20m	15m	10m	Total Points
N9AW	Jerry	0	20	61	0	0	81
WA9TZE	Jim	9	29	38	0	0	76
K0EVZ	Doc	0	10	46	0	0	56
N1EU	Barry	0	8	38	1	0	47
N7LT	Lyndel	0	10	36	0	0	46
N3AO	Carter	0	14	30	0	0	44
K4FB	Paul	0	0	38	0	0	38
KG8GW	Ron	1	12	16	0	0	29
N2XE	John	0	0	27	0	0	27
K4MF	Gary	0	0	25	1	0	26
AC5K	Wes	0	0	26	0	0	26
AD4J	Jim	0	0	25	0	0	25
W0UFO	Mert	0	2	22	0	0	24
KI0II	Ron	0	0	20	1	0	21
W3ERU	Wes	0	7	14	0	0	21
K6PZB	John	0	9	11	0	0	20
AB0GO	Dave	0	0	20	0	0	20
N7RVD	Brian	0	0	20	0	0	20
KW4JS	John	0	15	4	0	0	19
KA8LLE	Ben	1	10	8	0	0	19
N0TK	Dan	0	9	9	0	0	18
KB9LCK	Chris	0	5	13	0	0	18
N9KO	Cal	0	4	11	0	0	15
K4GT	Jim	0	0	15	0	0	15
K6RXL	Kevin	0	0	14	0	0	14
W7WIK	Marco	0	13	0	0	0	13
K6RPN	Doug	0	11	1	0	0	12
VE6QSL	John	0	5	6	0	0	11
AF4PP	Chuck	0	0	10	0	0	10
VE3SMA	Steve	0	10	0	0	0	10
KQ6NO	Rick	0	10	0	0	0	10
AL7FS	Jim	0	0	10	0	0	10
W2QU	David	0	4	5	0	0	9
AE6N	Jim	0	0	8	0	0	8
W2BVH	Lenny	0	4	3	0	0	7
VE6AAN	Pat	0	1	6	0	0	7
N4EJG	Ed	0	0	7	0	0	7
KO4WX	Mike	0	0	6	0	0	6
WD0DDU	Layne	0	0	5	0	0	5

K5HWT	Morg	0	0	5	0	0	5
W4NJK	Charlie	0	4	1	0	0	5
W5RXP	Rich	0	0	2	0	0	2
W6AGS	Arthur	0	0	0	0	0	0

****

Thanks for supporting The Adventure Radio Society!

Russ Carpenter, AA7QU
Contest Manager

Date: Thu, 7 Jun 2001 13:25:27 -0500
From: "Dan W. Dooley" <dandooley@pipeline.com>
To: <k3ng@fast.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [99620] Re: OT: Save BBC Coalition
Message-ID: <018501c0ef7f$3f0cea70$6430aec7@dandooley>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I think this sort of tyranny exists because people (are we "subjects"?) allow it to happen. Sorry for this tirade, but we see the sort of garbage being forced down the throats of citizens and we simply accept it. When people start making the determination that they're going to have more of a say in what goes on, there will be a big difference in who they allow into positions of power. We vote in people based on such petty issues and overlook the real freedoms they want to take away from us. I guess we really don't value freedom that highly.

There comes a point when people ought to stand up and say a loud resounding "NO". And if you, Mr. Politician think you can vote such oppressive laws into effect, then you, Mr. Politician had best update your resume and start hunting for your next job.

Sadly though, we don't do that. We keep voting 'em back in.

Dan W. Dooley WB5TKA Bedford, Texas EM12ku
e-mail to: dandooley@pipeline.com
Web site: http://www.qsl.net/wb9tka
SOC #198, FPQRP # -104
May Goddes love blest ye alle
"Ancient Pistol, I do partly understand your meaning."

----- Original Message -----
From: "K3NG" <k3ng@fast.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Thursday, June 07, 2001 12:12 PM
Subject: Re: OT: Save BBC Coalition

> You should organize a group of people, seize a ship that has TVs, and toss
> them overboard. It worked for us in 1773 when they tried to implement
that
> tea tax....
>
> :)
>

Date: Fri, 8 Jun 2001 14:39:17 -0400
From: "Ron McConnell" <rcmcc@lucent.com>
To: "'HFPack'" <hfpack@yahoogroups.com>, "'NJQRP'" <njqrp@njqrp.org>, "'QRP-L'"
<qrp-l@lehigh.edu>
Cc: "'X w2iol'" <w2iol@arrl.net>
Subject: [99621] Battery FAQs & Myths: Alkaline, NiMH, NiCd: AA & AAA cells
Message-ID: <005a01c0f04a$53c4dab0$ee051187@amc.belllabs.com>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

  http://www.greenbatteries.com

6 pages of concise, well-written, useful info on
alkaline, NiMH and NiCd AA & AAA cells
in digestable Q&A format...

    Over-simplified summary:
Except for voltage sensitive cases like some
radios where having 1.5V/cell rather than
1.2V/cell is important,
NiMH is the overall winner among these three
for AA and AAA cell applications.

For a wedding present just a few years ago

I bought my bride a small AM/FM pocket radio
to replace the big old GE pocket book sized
one she loved.
Thinking I was being really smart, I inserted
one of the new-at-the-time "9V" NiCd
batteries to replace the carbon-zinc
"transistor" battery. It wouldn't
receive diddly-squat for stations.
Finally I realized
that the so-called "9V" NiCD battery
was really only 6 cells for 7.2V maximum.
I hadn't measured it and had _assumed_
it had at least 7 cells for 8.4V.
I considered/consider this to be close
to fraud. I was forgiven.
35 years in July.

73,

Ron McConnell
w2iol@arrl.net

Date: Thu, 07 Jun 2001 18:40:28 +0000
From: Garie Halstead <k8kfj@ntelos.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [99622] Re: HF and the elevation advantage
Message-ID: <3B1F844C.2F90151F@ntelos.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hey Gang...

I want to take this opportunity to thank those who responded to the
above topic. The replies were overwhelming to say the least. I've
thanked some of you individually via email but wanted to also thank the
group collectively. There are some very knowledgeable people out there
(something we all know) that allows a not-so-knowledgeable person like
myself to tap into for the info I needed. You're a great group (and
a tremendous asset for the fledgling QRPer such as myself). Tks agn!!

73 //Gary *K8KFJ*
West Virginia

Date: Thu, 7 Jun 2001 15:01:57 -0400
From: "Richard Brummer, K2JQ" <k2jq@bestweb.net>
To: <k3ng@fast.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [99623] Re: OT: Save BBC Coalition
Message-ID: <023201c0ef84$547a5a00$a005b3d8@obvious>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Gee, if it was "over here," we could call it the Boston TV Party !

Dick K2JQ
-----Original Message-----
From: K3NG <k3ng@fast.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Thursday, June 07, 2001 1:09 PM
Subject: Re: OT: Save BBC Coalition

>You should organize a group of people, seize a ship that has TVs, and toss
>them overboard. It worked for us in 1773 when they tried to implement that
>tea tax....

Date: Thu, 07 Jun 2001 19:21:33 +0000
From: Paul Kiciak <pkiciak@att.net>
To: Glen Leinweber <leinwebe@mcmaster.ca>, Low Power Amateur Radio Discussion
<qrp-l@Lehigh.EDU>
Subject: [99624] Re: Pink Noise Generator
Message-ID: <3B1FD43D.7B16BB4D@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Glen Leinweber wrote:

> Paul,
>   I kinda think that it should be 3dB per octave to maintain equal
> noise-power-per-octave. That's a bit hard to do with standard
> filter components, especially over a wide bandwidth.

You're right on both counts, Glen. Pink noise is 3 dB per octave roll-off,
not 6 dB like I said, and 3 dB/octave isn't easy to do.

I did my post from memory and ran out the door. While out, I got to thinking too that it was 3 dB/octave so my memory is getting worse, hi.

Here's an interesting website that goes into a lot of detail on this:

http://www.firstpr.com.au/dsp/pink-noise/#characteristics

Thanks for the correction.

73,
Paul, N2PK
---
http://home.att.net/~n2pk

Date: Thu, 7 Jun 2001 12:56:57 -0700 (PDT)
From: Dennis Doran <wb8wtu@yahoo.com>
To: qrp-l@Lehigh.EDU, wb8wtu@yahoo.com
Subject: [99625] FS - Wilderness SST40
Message-ID: <20010607195657.26667.qmail@web12505.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

For sale:

Wilderness SST 40
tunes 7.0390 to 7.0449
stock unit, but has 68pf caps at C6 and C9
and 180pf caps at C7 and C8. (standard mod)
power output 2 watts.
Case is stock, unpainted aluminum.
Manual included.
Pics available upon request.

$70.00 and I ship.

Please contact: WB8WTU@Yahoo.com

73,
dennis
WB8WTU

Date: Thu, 07 Jun 2001 16:03:35 -0700
From: Dave Pomeroy <dave@dpomeroy.com>
To: qrp-l@Lehigh.EDU
Subject: [99626] Logger
Message-ID: <5.1.0.14.0.20010607160210.009e44a0@mail.dpomeroy.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Gang,
   My computer puked and I lost Logger. Anyone know of the correct URL where I can download again? I managed to back up my log so its not all bad news.
Thanks in advance.
Dave Pomeroy K8DNP SouthWestern Michigan

Date: Thu, 7 Jun 2001 15:23:09 -0500
From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: <jliving2001@yahoo.com>
Cc: <qrp-l@Lehigh.EDU>
Subject: [99627] O Scope advice
Message-ID: <00da01c0ef8f$ab22cbc0$4e100a0a@rohredt2000>

You can most easily learn to use an analog oscilloscope, including how to repair it. Maybe some digital ones also, but on the whole those at swaps are overly complicated for ham use. HF needs the high bandwidth of analog surplus scopes. Most surplus digi scopes have limited analog bandwidth or memory on their storage.

You can get by for QRP uses with only 20 MHz, but 50 MHz is better and becoming more available in surplus military and industrial scopes from Philips, Tektronix, etc. At 20 MHz, you would use a diode detector probe, and use the scope to look at DC detected or envelope signals.

Good buys are the 3217 Philips, an all transistor, except CRT, scope made in Holland, but sold and serviced by Fluke in USA. A lot of R&D and university and contractors for aerospace have them.
Others of the older Tek scopes like 465 and 475 turn up, (portables) but the crts are no longer made. If you get one of these and the CRT fails be prepared to junk it or get a parts unit for repairs yourself.

Good working scopes turn up at big ham swaps like Ham Com Dallas. In their tail gate area, is often a fellow who buys ex FAA and Air Force lab equipment. he has scopes for as little as $100.

Others of interest to QRP hams are B&K, Ballentine, Non Linear Systems, (NLS) Protek, and Elenco. Those last two are new import models typically sold at ham swaps for under $400. NLS had a 15 MHz scope that was small and battery powered portable.

A dual channel, dual trace scope is most flexible, but single channel is what you will use most.

The Heathkit old low bandwidth scopes, and most any 3 MHz scope is pretty useless for RF applications such as transceiver troubleshooting, but they are cheap under $100 at swaps, ---avoid them. Heath did make one good 15 MHz kit scope, but many did not get built well and do not have accurate performance.
Caveat Emptor, try any scope out before buying. Get a scope probe 10:1 attenuation and 1:1 as well, they should be marked, and make sure they match the scope frequency range. Ask someone who works with scopes for a living in research or repair shops about probes. Good $35 probes new are sold by such as Probemaster. New brand name probes are over $100, and of little extra for that.

GL and 73,
Stuart K5KVH

Date: Thu, 07 Jun 2001 13:23:15 -0700
From: Phil Wheeler <w7ox@earthlink.net>
To: Jerry.Lofstead@itb.mckhboc.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [99628] Re: OT: Save BBC Coalition
Message-ID: <3B1FE2B3.A25F2F82@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

"Lofstead, Jerry" wrote:
>
> Tony,
>

> I have enjoyed the many pounds sterling that your wife has paid on our
> behalf, so I could listen to the BBC SW radio. Maybe you could convince the
> BBC to do a little commercial advertising...   I was originally shocked,
> when I found out many years ago, about your need to pay a license fee for a
> regular AM broad cast band radio. I guess they have a captive audience 8-(
> who has to pay if you are using it or not. I have to admit I do like the
> free enterprise way we have it over here.
>

I'll bet the FCC is happy they don't have that law to enforce. I
envision vans of Receiver Police roving the countryside :-;

In all likelyhood many/most european countries have similar fees/taxes.
As a tourist, I've never noticed.

Phil W7OX

Date: Thu, 7 Jun 2001 22:16:50 +0200
From: =?iso-8859-1?Q?St=E9phane_Collas?= <Stephane.Collas@wanadoo.fr>
To: <dave@dpomeroy.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [99629] Re: Logger
Message-ID: <010201c0ef8e$cb3bc3e0$b8c8fcc1@LTP011520>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello Dave,

You can download logger at http://www.itis.net/golist/download.htm

73's de Steph, F5NZY
http://www.qsl.net/f5nzy

----- Original Message -----
From: "Dave Pomeroy" <dave@dpomeroy.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Friday, June 08, 2001 1:03 AM
Subject: Logger

> Gang,
>   My computer puked and I lost Logger. Anyone know of the correct URL
> where I can download again? I managed to back up my log so its not all
bad
> news.

> Thanks in advance.
> Dave Pomeroy K8DNP SouthWestern Michigan
>

Date: Thu, 7 Jun 2001 16:25:16 -0400
From: "Richard Brummer, K2JQ" <k2jq@bestweb.net>
To: <dandooley@pipeline.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [99630] Re: OT: Save BBC Coalition
Message-ID: <025d01c0ef8f$f78dc8c0$a005b3d8@obvious>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

>I think this sort of tyranny exists because people (are we >"subjects"?) allow it to happen. Sorry for this tirade, but we see >the sort of garbage being forced down the throats of citizens >and we simply accept it.

Generally true, Dan, but look at this example.

A few years ago in my town, someone who has been a resident for a LONG time wanted to place a 24-hour gas station in service (in an appropriately zoned place). At a public hearing, over 250 nearby residents showed up to voice opposition to the placement of the gas station. Five town board members vote for approval, and today there is a gas station/convenience store on the site.

Democracy at work ? The gas station is pumping today, but it will take a few years before all the politicians who approved it can be voted out of office -- and that's a BIG "if."

73,
Dick K2JQ

Date: Thu, 07 Jun 2001 16:21:59 -0700
From: Dave Pomeroy <dave@dpomeroy.com>
To: qrp-l@Lehigh.EDU
Subject: [99631] Scope
Message-ID: <5.1.0.14.0.20010607162000.009fd0d0@mail.dpomeroy.com>
Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

I purchased a used 7603 from Lew Coppes in LA a couple of years ago. Great scope in great condition and a great guy to work with. It wasn't the cheapest but I used it all of the time and it still is doing great. Anyway I wouldn't hesitate to buy from him, if he says its a good piece of test equipment then it is.
Dave Pomeroy K8DNP SouthWestern Michigan

Date: Thu, 07 Jun 2001 13:29:46 -0700
From: Phil Wheeler <w7ox@earthlink.net>
To: dandooley@pipeline.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [99632] Re: OT: Save BBC Coalition
Message-ID: <3B1FE43A.DF70A645@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

"Dan W. Dooley" wrote:
>
> I think this sort of tyranny exists because people (are we "subjects"?)
> allow it to happen. Sorry for this tirade, but we see the sort of garbage
> being forced down the throats of citizens and we simply accept it. When
> people start making the determination that they're going to have more of a
> say in what goes on, there will be a big difference in who they allow into
> positions of power. We vote in people based on such petty issues and
> overlook the real freedoms they want to take away from us. I guess we
> really don't value freedom that highly.
>
> There comes a point when people ought to stand up and say a loud resounding
> "NO". And if you, Mr. Politician think you can vote such oppressive laws
> into effect, then you, Mr. Politician had best update your resume and start
> hunting for your next job.
>

It was probably introduced by Stanley Baldwin's government. Such words as yours undoubtedly have him quivering in his grave :-;

Phil W7OX

Date: Thu, 7 Jun 2001 16:40:07 -0400
From: "Richard Brummer, K2JQ" <k2jq@bestweb.net>
To: <dave@dpomeroy.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [99633] Re: Scope
Message-ID: <027a01c0ef92$0aa93960$a005b3d8@obvious>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Well, you know the expression, "You get what you pay for."

The price you paid might not have been the cheapest, but you paid for "time
and material" to restore the scope to good operating condition.

Sounds like you're pleased with your purchase.

73,
Dick K2JQ
-----Original Message-----
From: Dave Pomeroy <dave@dpomeroy.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Thursday, June 07, 2001 4:26 PM
Subject: Scope

>I purchased a used 7603 from Lew Coppes in LA a couple of years ago. Great
>scope in great condition and a great guy to work with. It wasn't the
>cheapest but I used it all of the time and it still is doing great. Anyway
>I wouldn't hesitate to buy from him, if he says its a good piece of test
>equipment then it is.
>Dave Pomeroy K8DNP SouthWestern Michigan
>
>

Date: Thu, 7 Jun 2001 21:31:50 +0100
From: "Tony Fishpool" <g4wif@btinternet.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [99634] Re: U.K. TV and Radio Taxes
Message-ID: <00c101c0ef92$91e15020$e79601d5@LocalHost>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

That was a long time ago Karl. We don't pay for a radio - just TV.
If you want to feel bad on our behalf, remember that we also have to pay
about $22 per year for our ham licences.

Having reported all this, I wouldn't want to live anywhere else.

72/3
Tony - G4WIF

----- Original Message -----
From: "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>

> Not only "regular AM broadcast radio", Jerry, but as I recall,
> you *also* had to pay a radio receiver tax for *the broadcast
> receiver in your automobile* !! I wonder if anyone ever did?
> (I know I, for one, didn't!)
>
> Karl K - W8TIF
> (ex- G5AGX)
> McKinney, Texas

Date: Thu, 7 Jun 2001 15:52:21 -0500
From: "Michael Melland" <w9wis@charter.net>
To: <dave@dpomeroy.com>, "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [99635] Re: Scope - Lew Coppes
Message-ID: <001501c0ef93$bfc28080$3a928ad8@computer>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Being the one who originally posted info on Lew and his surplus electronics
business here on the list several years ago I thought I'd send this update.
Lew is still going stronger then ever. He had quite a set back in February
having suffered a severe heart attack but he's back at work (retirement job
<grin>... if Lew knows what retirement is). His son, who teaches avionics
at a technical college near Tucson, is also now on board..... they have a
warehouse now in Tucson now as well.

Lew is a peach of a guy ! Really honest and as a retired engineer he really
knows test equipment as does his son. He sells with a limited money back
guarantee (you won't find that at many hamfests) and won't steer you wrong.

Coppes Enterprises
(520) 749-8471 - work

For those of you who don't have his NEW email address it is:
cla15@qwest.net

If you contact him tell him I sent you <grin>.

Mike
--
Michael Melland, W9WIS
Winneconne, Wisconsin USA EN54pc
qrp-l #1656 - qrparci # 9875 - iparc #252
http://www.qsl.net/w9wis

Date: Thu, 07 Jun 2001 16:57:48 -0400
From: John Harper AE5X <ae5x@qsl.net>
To: QRP-L <qrp-l@lehigh.edu>
Cc: mark.miller@mcaap.army.mil
Subject: [99636] Re: Battery capacity for backpacking operation
Message-ID: <000301c0ef94$82c4aea0$5b7abc18@johnharp>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

Mark,

Your rig draws about the same current as my Norcal 40a. I tested this rig with 10 AA batteries (alkaline) some time ago and found that they give about 6 or 7 hours of use. If you want to carry the extra weight, 10 "C" cells should be good for 18 hours of QSO time. I posted a chart of voltage vs time with my rig & AA cells at:
http://www.qsl.net/ae5x/aabatts.html

Have fun on your trip,

John Harper AE5X
Outdoor QRP & Lowband DXing: http://www.qsl.net/ae5x

Date: Thu, 07 Jun 2001 20:58:15 +0100
From: Larry Cahoon <lejek@erols.com>

To: mark.miller@mcaap.army.mil, "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [99637] Re: Battery capacity for backpacking operation
Message-ID: <5.0.2.1.0.20010607204419.00a0e4a0@pop.erols.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

>I am planning a two week backpacking trip in early July (more on that
>later)and will be taking a small wonders SW20+ along. I plan to operate
>about an hour per day using a set of 9 AA alkaline batteries. I will also
>take a spare set along. The SW20+ draws about 20mA on rcve and 500 mA xmit.

Mark,

I've done a bit of experimenting with the alkaline and NiMH batteries. I got about 20-25 hours out of a set of either with the K1 running about 500 mWatts. I made between 20 and 40 or so contest type QSOs each time. The K1 is more like 55-60 mA on rcve. You are going to run it about 14 hours. Given that you will be doing a bit more transmitting than I did I suspect you will be cutting it close with just one set of batteries. As an extra piece of information Wayne at Elecraft thinks a set of 10 NiMH AAs should last about 10 hours under normal operation in the K1, I don't think you will to do any better with the Alkaline.

One factor you need to consider is how far you can discharge the batteries. I could take the 8 AA's in the K1 down to 8 volts. I don't know the specs on the SW20+. If it will work down to 9 volts that would be comparable to what I did. If you can only take it down to 11 volts then one set definitely won't do the job for you. You may need as many as three sets.

If you want the results of my testing are up at my web site under the QRP stuff. There is also a link to AE5X's web site. He has done some trials with AA batteries as well.

As for the NiMH - if you use them take a set of 10 - if freshly charged they would be as good as the alkaline the first week. For the second week the self discharge of the NiMH may be a problem.

73 de Larry.....WD3P in MD
http://www.qsl.net/wd3p/

Date: Thu, 07 Jun 2001 21:22:53 +0100
From: "Chuck Adams, K7QO" <k7qo@earthlink.net>

To: qrp-l@Lehigh.EDU
Subject: [99638] [MH101] IC chip pads, new technique
Message-ID: <5.0.2.1.0.20010607210219.00a221b0@mail.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Gang,

I have some pics and some stuff from Jim Kortge, K8IQY,
to put on the web later today as I didn't get the write up
complete late last night. It seems that there is a reason
for having only 24hrs in a day...

Jim uses a tool that he got from Home Depot and I went last
week and got one also to play with. I couldn't do as good a
job as Jim, so I was thinking about other ways.

My son and I were at Hobby Bench a little while ago and I
was looking at the small miter saws and bought one. There
are a couple of versions and one with a miter angle tool and
I bought it. Lists for $22.95 from the manufacturer but
Hobby Bench had it for $24.95. HEY. It takes gas to haul
this stuff to 5,300' ASL. :-)

The thing that caught my eye was the 0.00825" width of the
cut. Since we have only 0.100" between pins on ICs you don't
have much area to play with.

The cuts into the copper layer of the PC board are works of art.
A beauty to behold and I was impressed. I'll take some pics and
I have some pics of Jim's (K8IQY) work also to compare.

So what I'm going to do is the following. Vector board has
0.100" spacings between the holes. I am either going to use
the board to drill holes every 0.100" along a row in the direction
the PC board fits on the miter board. Then move a nail to the next
hole as I cut perpendicular slots at the same spacing. This will
be used to make the pads for mounting IC sockets and you can do
8pin to 40pin sockets this way.

My other choice is to just do four holes with nails and move
the vector board with the nails fixed to get the 0.1" spacing.
The four holes being widely spaced to keep the board perpendicular
and steady.

And as a side note. If you do not own a shear, then you can use

this setup to cut PC board to size for not too large sized boards.
The blade is not all that long --- about 12.5cm.

The hobby shop has 42 and 51 or so teeth per inch saws that cost
only $4.95 (probably cheaper for you people in the valley) and you
can construct your own miter box system. The important thing is
the blade width has to have less than 0.03" or so to make the pads
wide enough and get the 0.1" spacing. Yet another research area
for experimenters. I measured 0.5mm gap width using the saw from
Fourmost Products, Miter Saw No. FOR 153. Any hobby shop that
has a model airplane section should have them in stock or an
equivalent.

So I may abandon my Lunar Lander (tm) technique for the PC board
pad technique of K8IQY to do this as an experiment. I'm flexible.

FYI,

Chuck Adams, K7QO   CP-60
Prescott, AZ   k7qo@earthlink.net http://www.qsl.net/k7qo

TMPS-2001 Jan 12th -> April 15th, 2001   States = 49 DXCC = 15

States Needed   AK DXCC --- K XE VE KH6 V73 HI3 FM5 OH3 C6 ZL1 CO8 ZS6 EA8 EA7
PJ ZL2

Moving to Arizona?   --- Bring your own water.

Date: Thu, 07 Jun 2001 14:33:53 -0700
From: Mighty Mik <mightymik2@home.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [99639] Re: Scope
Message-ID: <5.0.2.1.0.20010607143225.00a26b30@mail>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

I got a Tek 7904 frame and modules last year. Great service.

At 04:21 PM 6/7/01 -0700, you wrote:
>I purchased a used 7603 from Lew Coppes in LA a couple of years
>ago. Great scope in great condition and a great guy to work with. It
>wasn't the cheapest but I used it all of the time and it still is doing

>great. Anyway I wouldn't hesitate to buy from him, if he says its a good
>piece of test equipment then it is.
>Dave Pomeroy K8DNP SouthWestern Michigan

Date: Thu, 07 Jun 2001 17:43:52 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: Jerry.Lofstead@itb.mckhboc.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [99640] Re: OT: Save BBC Coalition
Message-ID: <3B1FF598.3C3509EF@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Jerry,

The British are not the only ones who pay a TV tax. When I lived in
Holland 20 some years ago, the Dutch government required the purchase of
a TV license as well. Fortunately I had a ham license and was exempt.

73

Date: Thu, 7 Jun 2001 14:53:20 -0700
From: "JOE PARISELLA" <parisella@earthlink.net>
To: <qrp-l@lehigh.edu>
Subject: [99641] Good Deal Coax
Message-ID: <01c0ef9c$4446c840$LocalHost@a>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

New 50ft RG-58u with BNC at both ends.
$10.00 shipped.
parisella@earthlink.net

Date: Thu, 7 Jun 2001 15:03:53 -0700
From: "Bob Tellefsen" <n6wg@earthlink.net>
To: <qrp-l@Lehigh.EDU>
Subject: [99642] Re: Pink Noise Generator

Message-ID: <MABBJOEABOILMKCJCLFCAEAMCIAA.n6wg@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I wonder if that isn't actually called "noise masking"? I have a friend who
does that for a living, and I think that is what he calls it.
73, Bob N6WG

Date: Thu, 07 Jun 2001 22:08:59 +0000
From: Garie Halstead <k8kfj@ntelos.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [99643] Refarming the Novice bands
Message-ID: <3B1FB52B.F31677E4@ntelos.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang...

Since most QRP Ops are interested in fostering the use of CW + the
fact that there are QRP frequencies listed in our Novice bands (3710,
7110, 21110 and 28110) I think the following should be of some interest
to us all.

            --- Novice Spectrum Study Committee Named ---

NEWINGTON, CT, Jun 1, 2001--The ARRL's new Novice Spectrum
Study Committee has begun its work. ARRL International Affairs Vice
President Rod Stafford, W6ROD, is chairing the panel.
ARRL President Jim Haynie, W5JBP, empaneled the committee as a
result of action taken during the January meeting of the ARRL Board of
Directors (Minute 66).
The committee's goals are to update the ARRL's position on refarming
of the HF Novice/Technician Plus HF bands, and to solicit input and
comment on same from the Amateur community. The committee has
held three teleconferences. Later this month, it will announce a Web-
based survey that will be used to gather information.
Other members of the committee are Vice President John Kanode,
N4MM; Hudson Division Vice Director Steve Mendelsohn, W2ML;
Dakota Division Vice Director Twila Greenheck, N0JPH; Midwest
Division Vice Director Bruce Frahm, K0BJ; and New England Vice
Director Mike Raisbeck, K1TWF.
The survey will offer Amateurs an opportunity to express opinions and

preferences on various options for possible future band and mode privilege changes. These survey results may form the basis for the ARRL to approach the FCC and request changes in the ways amateurs are authorized to use the Novice/Technician Plus subbands.

I received the above info today from a mass FISTS Emailing by Nancy Kott (WZ8C) of the FISTS CW Club. It goes without saying that the FISTS group (of which I am a member) is very interested in retaining current CW segments of our bands. I don't think Nancy would have minded me reproducing the info here.

Until now, I was personally unaware of the formation of this Study Committee but knew it was probably forthcoming because of the dropping of the Novice Class license.

The questions uppermost in my mind would probably be....

/1/ What will be the Committee's recommendation to the FCC as to the refarming of the HF Novice/Tech Plus HF bands?

/2/ How much weight will the Committee give to the amateur community's comments & input prior to formulating their recommendation?

/3/ What impact (if any) would their recommendation be to our current allocated CW spectrum?

I guess only time will give us those answers. However, we now have the official confirmation from Newington ... the committee has now been formed and are now at work.

72 //Gary *K8KFJ*
West Virginia

Date: Thu, 7 Jun 2001 23:15:11 +0100
From: "Graham Firth" <graham@g3mfj.fsnet.co.uk>
To: <Karl.Kanalz@allegiancetelecom.com>, "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [99644] Re: U.K. TV and Radio Taxes
Message-ID: <01b701c0ef9f$5305c720$02010080@graham>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

HI

> Not only "regular AM broadcast radio", Jerry, but as I recall,
> you *also* had to pay a radio receiver tax for *the broadcast
> receiver in your automobile* !! I wonder if anyone ever did?
> (I know I, for one, didn't!)
I remember turning the volume of the radio down - anytime I was near a
policeman!
That's a long time ago!
72/3
Graham
G3MFJ

Date: Thu, 07 Jun 2001 17:15:35 -0500
From: Vance Huntsinger <vhuntsinger@iwic.net>
To: qrp-l@Lehigh.EDU
Cc: Burke@howardandhelmer.com
Subject: [99645] Tuners & Keyers
Message-ID: <4.2.0.58.20010607164422.00a122c0@mail.iwic.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Burke,

You have probably received many replies on this, but here's my 2 cents worth:

Check out the K1EL K10 keyer kit at http://members.aol.com/k1el/k10info.html

Adding a Radio Shack box and a few pushbuttons, etc. raises the cost to $20
or so, but you will have a nice memory keyer with many features. Speed is
adjustable by sending dits or dahs, but I prefer a pot to adjust speed;
this is easy to add to the K10.

The ZM-2 tuner/indicator is a pretty good performer, available from Emtech,
http://emtech.steadynet.com/zmdesc.htm

Frankly, the mechanical design of the kit is not that impressive compared
to DSWs, Elecraft, OHR, etc., but it does the job, seems pretty rugged, and
costs only $50. The thing I like about it is that it is relatively small
and lightweight, and tunes both balanced and unbalanced antennas. It is a
little "touchy" with some antenna configurations.

If you are not that interested in field operation, the MFJ 971 tuner has

worked well for me. It is advertised as a "portable" tuner, and it IS smaller than most desktop tuners, but it is still too big and heavy for backpacking, IMO. I could see it possibly being used for field day type operations or even hotel room. An advantage of the 971 is that it has two ranges, 0-30 watt and 0-300 watt as I recall, so it could be used at QRO levels. The 300 watt range might be optimistic; I've never used it for QRO. The 971 can also be used for both balanced and unbalanced antennas and has an SWR indicator. It's not a kit and costs in the neighborhood of $100.

Bottom line is that I prefer the ZM-2 away from home (if I need a tuner) and the MFJ 971 when I'm home.

Hope this helps a little.

Vance--WA9YDJ

Date: Thu, 07 Jun 2001 15:35:44 -0700
From: Bob Welch <p326@earthlink.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [99646] ft-817
Message-ID: <3B2001C0.9B6113DC@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Is there a reflector for the ft-817.?

Bob

Date: Thu, 7 Jun 2001 23:38:23 +0100
From: "Tony Fishpool" <g4wif@btinternet.com>
To: "QRP-l" <qrp-l@lehigh.edu>
Subject: [99647] Re: OT: Save BBC Coalition
Message-ID: <002801c0efa2$90ef0da0$db7001d5@LocalHost>
MIME-Version: 1.0
Content-Type: text/plain;
    charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Just in parting on this subject it just occurred to me that folks on the other side of the pond have actually contributed millions to the BBC for which we are of course grateful.
In return we gave you Anne Robinson and "The Weakest Link".

You wouldn't consider keeping her would you?

Kind regards
Tony - G4WIF

Date: Thu, 07 Jun 2001 18:41:22 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: g4wif@btinternet.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [99648] Re: OT: Save BBC Coalition
Message-ID: <3B200312.40131856@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Tony,

I wondered who gave her to us. Now that you've accepted the blame, the
answer is definitely NO! You made her, you keep her!

73

Date: Fri, 8 Jun 2001 00:57:16 +0200
From: "Ingo DK3RED" <dk3red@t-online.de>
To: <p326@earthlink.net>, "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [99649] Re: ft-817
Message-ID: <018101c0efa5$355b6bc0$d88f01d9@ingo>

Hello Bob,

> Is there a reflector for the ft-817.?

I think you are looking for an English refelctor but here is a German
one.

http://www.funkportal.de/ft817/

It is more than a refelector and I hope its help a little bit.

72 de Ingo, DK3RED

E-Mail: dk3red@qsl.net - Homepage: www.qsl.net/dk3red

End of QRP-L Digest 2213
****
